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SUBJECT: "Plant 2 Exercise 90" exercise packet & exercise packet control cell addendum.

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WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
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SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10	Control Cell

VALID FOR TIMES OF:			DRILL TIME
REAL TIME 0800 ☐AM ☐PM TO 1200 ☐AM ☐PM			HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephonic Queries

A.

Data Sheet	Utilization Time/Purpose
10 a - i	0800 - 0830
10 j - y	0830 - 0900
10 z - ap	0900 - 0930
10 ag - bh	0930 - 1000
10 bi - bx	1000 - 1030 (State, Fa)
10 by - c	1030 - 1100 (Counties/ck, du, dw, dx, ec, ed, eg, eh, ei) (State - ga thru gk)
10 co - dd	1100 - 1130 (County - ct, cw, cx, cy, cz, da-c, dv, dy, dz) (State - ha thru hr)
10 de - dt	1130 - 1200 (County - de-f, dm-t, ea-b, ee-f, ej) (State - ia thru iz)

B. Rumors

Number	Time Frane		Data Sheets
1	0830 - 0900	Armed terrorists have attacked Plant 2	10r, s, t
2	0930 - 1000	Protestors are coming to Plant 2 from all across the United States	10aq, ar, as
3	1030 - 1100	Terrorists have caused a radiation release at Plant 2	10cq, ch, ci
4	1100 - 1130	Plant 2 is being abandoned because of danger of a meltdown	10co, cp, cq
5	1130 - 1200	Run on banks and grocery stores	10iw

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VALID FOR TIMES OF:					
REAL TIME	See below	☐ AM ☐ PM TO	See below	☐ AM ☐ PM	DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephone Queries

(Sheet 10a real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Gardner Damon at KHQ Radio in Spokane. I've gotten a report about a demonstration that is supposed to be held near your nuke plant today. Is this report correct? How many people are involved? What's your response to the demonstration?

Anticipated Response:

A concise status report of the situation, if known at this time. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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SHEET NO. See below | RESPONSIBLE CONTROLLER (LOCATION) Control Cell Lead Controller

VALID FOR TIMES OF: REAL TIME See below ☐ AM ☐ PM TO See below ☐ AM ☐ PM | DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10b real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Fred Lawson at the Spokane Daily Chronicle. Has the demonstration at Plant 2 begun yet? How many people are involved? Where are the protestors in relation to the plant?

Anticipated Response:

A concise status report of the situation, if known at this time. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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VALID FOR TIMES OF:					
REAL TIME	See below	☐ AM ☐ PM	TO See below	☐ AM ☐ PM	DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephone Queries

(Sheet 10c real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Bernie Littlefield at the Columbia Basin Herald in Moses Lake. I just received information about the demonstration at Plant 2. What are the details? Can we send a reporter and photographer out there? Is plant operation affected?

Anticipated Response:

A concise status report of the situation, if known at this time. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Control Cell Telephone Queries

(Sheet 10d real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

Hi, this is John Splaine at KFAE Radio. We've received a report about some kind of demonstration at the Hanford nuke plant. Is something unusual going on there? (Pause for response.) How many people are involved? What do you know about the demonstrators? What are you doing about this?

Anticipated Response:

A concise status report of the situation. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephone Queries

(Sheet 10e real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Nancy Mozley at KALE Radio, Kennewick. I'd like an update on the uprising at the nuclear plant. What caused the problem? Is the plant shut down? Was anybody injured?

Anticipated Response:

A concise status report of the situation. This is not an uprising. Plant is at about 10 percent thermal power level. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Message To: (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO Control Cell Telephone Queries

(Sheet 10f real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Carol Dumas at the Associated Press in Yakima. I need an update on the situation at your nuclear plant. What measures are being taken to control the demonstration? Is this affecting any of the plant employees? Is this affecting plant operations?

Anticipated Response:

A concise status report of the situation. Plant is at about 10 percent thermal power level. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES				INFORMATION APPLIES TO	Control Cell Telephone Queries

(Sheet 10g real time of 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Bill Powell, with Radio KUMA in Pendleton. Some organization called "Friends of the Bivalve" told us there's a demonstration this morning at the Hanford nuclear plant. What can you tell me about this report? (Pause for a response) I'd like to tape record your comments, if that's all right with you. Hold on a minute. All right, I'm ready. Please begin by stating your name and position.

Anticipated Response:

A concise status report of the situation. Plant is at about 10 percent thermal power level. Plant Security is monitoring the demonstration. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10h real time 0800 to 0830)

Message:

This is an exercise. This is an exercise.

This is Maxwell Kent. I'm a reporter with The Olympian. There's an item on the news wire about a group demonstrating at the nuclear plant near Richland. What can you tell me about this report? (Pause for a response). Are these demonstrators going to have a protest at the Satsop plant, too?

Anticipated Response:

A concise status report of the situation. Plant is at about 10 percent thermal power level. No indication of whether or not the group intends to involve WNP-3 in their demonstration. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10i real time of 0800 to 0830

Message:

This is an exercise. This is an exercise.

This is Ron Saito from the Yakima Herald-Republic. Is there a demonstration going on at your nuclear plant? What group is involved? What are they doing? Are they affecting plant operation?

Anticipated Response:

A concise status report of the situation. Plant is at about 10 percent thermal power level. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10j real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Tina Allaway with KONA Radio. We just received a radio broadcast from our reporter covering the demonstration at WHOOPS 2. He said one of the demonstrators just climbed over the security fence and into the plant area. I want to know what the federal regulations are for dealing with this kind of unauthorized entry into the plant.

Anticipated Response:

Responder should fill out an Emergency Telephone Response Log form and give it to a Public Affairs media coordinator to handle.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

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(Sheet 10k real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Rose Quintal with the Aberdeen Daily World. I'm looking for some more information about this protestor group at the Hanford nuclear plant. Do you know where they are headquartered? Is there any indication that they may have a demonstration at the Satsop nuke? What's going on now at the Hanford plant?

Anticipated Response:

Provide a concise report using the most accurate information available. The responder might pass this caller on to a Public Affairs media coordinator to handle.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 101 real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Don Chandler at The Oregonian in Portland, Oregon. How long has this demonstration at the WNP plant been going on? Is it still in progress? Is the plant operating, and if so, is this demonstration affecting operation?

Anticipated Response:

Provide a concise report using the most accurate information available. The responder might pass this caller on to a Public Affairs media coordinator to handle.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10m real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Linda Hirakawa at The Seattle Times. We've just gotten a report from one of our stringers that a person has climbed over the security fence at Plant 2. Do you have this person's name and address yet? Is he being charged with any crime?

Anticipated Response:

Provide a concise report using the most accurate information available. The responder might pass this caller on to a Public Affairs media coordinator to handle.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10n real time of 0830 - 0900)

Message:

This is an exercise. This is an exercise.

This is Irwin Starr at KREM-TV, Spokane. We have a crew on the way to the Hanford Nuclear plant to film the demonstration. I just got a report that a protestor climbed over the plant fence. I wonder if you have a camera team filming this demonstration and might have some footage of the person climbing the fence that we could copy?

Anticipated Response:

Provide a concise report using the most accurate information available. The responder might pass this caller on to a Public Affairs media coordinator to handle.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10o real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Marilyn Sawyer, from Radio KSEM, Moses Lake. I'd like an update on the AP story about the demonstration at the Hanford nuclear plant. Just where is this plant? How far is it from Moses Lake? How many demonstrators are there?

Anticipated Response:

Provide a concise summary of the situation using the latest information on hand.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

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(Sheet 10p real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Billy Harrison, Seattle P-I. I'd like to talk with Don Mazur about the accident this morning at Plant 2. My editor wants quotes from your top man, so don't try to shuffle me off to somebody else. (Be persistent in asking for access to DW Mazur)

Anticipated Response:

Explain that the JIC is being set up to provide information, and that Mr. Mazur is a busy person at this time. Get reporter's telephone number and pass request on to team supervisor.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10q real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Carol Dumas with the A-P in Yakima. I've just received a report that one of the demonstrators at Plant 2 has climbed over your security fence there. Is that true? Is this intrusion part of the demonstration or something separate? Did this person have help in getting into the security area? Tell me as much as you know about the situation.

Anticipated Response:

A concise report using the most accurate information known about the intrusion. Depending on the status of JIC activation, this call could be handled by a Public Affairs media coordinator or by the Information or Media Managers.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10r real time of 0830 to 0900) (RUMOR NO. 1)

Message:

This is an exercise. This is an exercise.

I'm concerned about a radio report I heard about the terrorists at the nuclear plant. Have they caused any damage that will release radiation and harm people? What's the situation at the plant now?

Anticipated Response:

Provide concise account of the situation, using best available information. Demonstrators are not terrorists. County officials have been alerted. Any information needed for public protection will be broadcast on KONA Radio. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10s , real time of 0830 to 0900) (RUMOR NO. 1)

Message:

This is an exercise. This is an exercise.

Hey, what's going on at that nuke plant across the river? I heard something on the radio about a terrorist attack there. Is that true? Is there any danger to me and my family? (Caller is Lester Myers, resident at 2600 Amber Rd, Franklin County.)

Anticipated Response:

Provide concise account of the situation, using best available information. Demonstrators are not terrorists. County officials have been alerted. Any information needed for public protection will be broadcast on KONA Radio. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10t real time of 0830 to 0900) (RUMOR NO. 1)

Message:

This is an exercise. This is an exercise.

I heard a radio report that armed terrorists attacked the nuclear plant. Were any plant workers injured in the attack? My brother-in-law is a Security guard there and all the family is worried for him.

Anticipated Response:

Provide concise account of the situation, using best available information. Demonstrators are not terrorists. County officials have been alerted. Any information needed for public protection will be broadcast on KONA Radio. An "Emergency Telephone Response Log" form should be prepared and forwarded to the JIC Info. Mgr. upon JIC activation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10u real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Linda at the WNP-3 site. The employees here are very anxious to hear what the situation is now at Plant 2. Can you give me an update?

Anticipated Response:

Provide information based on facts on hand. Employees can expect updated information on the telephone hotline and in HOTLINES.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10v real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Elton Galloway. I work at Bechtel at WNP-1. I called your telephone hotline to get information about the Plant 2 protest, but the connection was terrible and I didn't understand the message. Can you tell me what the situation is? If you want to send some of those protestors this way, we'll take care of them.

Anticipated Response:

A concise report of the emergency situation. Plant Security, DOE Security, and Benton County Sheriff deputies are on hand at the demostration site.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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ASSOCIATED WITH MESSAGES				INFORMATION APPLIES TO	Control Cell Telephone Queries

(Sheet 10w real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

This is Carol Fowler. I've been listening to radio reports about the problem at the nuclear plant. I'm part of a group that is scheduled for a tour at the nuclear plant this afternoon. Will the tour be cancelled because of this problem?

Anticipated Response:

Call should be forwarded to Public Affairs for response.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10x real time of 0830 - 0900)

Message:

This is an exercise. This is an exercise.

Hi. This is Fran Prudek. Has anyone else called from our group to ask if the problem at the power plant will affect our tour this afternoon? I didn't know if I were the only one or not. Well, we're supposed to have this tour so I thought I better ask what's likely to come of it all.

Anticipated Response:

Refer call to Public Affairs for response.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10y real time of 0830 to 0900)

Message:

This is an exercise. This is an exercise.

I live right across the river from the nuclear plant. I've been listening to radio reports about the trouble there this morning, and I want you to know the situation has me worried. Can those people affect the operation of the plant? I'm going to have to be out working in my field near there and I don't want to be surprised.

Anticipated Response:

A concise report of the emergency situation. Plant Security, DOE Security, and Benton County Sheriff deputies are on hand at the demostration site. Emergency siren will sound if there is a need to leave the area.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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INFORMATION APPLIES TO

Control Cell Telephone Queries

(Sheet 10z real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Carol Dumas at the Associated Press, Yakima. We'll have some staff people headed to your JIC shortly. They're not familiar with the Tri-Cities, however, and need directions on how to get to the JIC. If you give them to me, I'll make sure they get them. By the way, what's happening at the plant now?

Anticipated Response:

Determine the direction from which the news team will be approaching the Tri-Cities and then provide information on the best route to the JIC. Provide concise status report using the latest available information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

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Control Cell Telephone Queries

(Sheet 10aa real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Dean Mason, news director at KHQ-TV, Spokane. We want to fly a team down to Richland to film the incident for the evening news. Can we fly over the accident scene? Where can we land the airplane? Are your employees available for interviews?

Anticipated Response:

Provide status report using latest available information. Check air space status with team supervisor. Richland airport is closest to site. Check accesibility of employees with team supervisor.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ab real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise

This is Warren Van Orden from the public radio system in Pullman. We're preparing to feed information on the Plant 2 accident to the National Public Radio network and I'd like to get some taped comments. Are you the person who can help me? What is your name and position? Is it O.K. to roll a tape? Please tell me what happened at the Whoops nuclear plant this morning and what the situation there is now.

Anticipated Response:

Provide an accurate, concise account of the accident and present status using the latest available information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ac real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Steve Quinn at KIRO Radio, Seattle. I'd like a report on the demonstration at the nuclear plant near Richland. Is this where I can get information on the incident? Who is this speaking? (Pause for identification.) I'd like to get this on tape, if that's alright with you. Go ahead and tell me what's happening at the Richland nuke plant. (Pause for account) Has this affected the power plant itself? How many people are in the group of demonstrators? Have any of them gotten into the plant?

Anticipated Response:

Provide a concise account, using the latest information available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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Sheet 10ad real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Willis Mitchell at KOTY Radio. I heard you can call this number for information about the incident at the nuke plant. Has an emergency been declared at the plant? Do you have any news conferences planned? Where are they going to be held? What warning should I broadcast to our listeners?

Anticipated Response:

Provide status report and definition of ALERT using the Telephone Team resource book. Contact the County EOC PIO for the latest EBS message information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ae real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Kelly Van Fleet, KING Radio, Seattle. I heard that some demonstrators have gotten into the secured area around your nuclear plant. What's the situation now? Is this having an impact on plant operations? How many of the demonstrators have been arrested?

Anticipated Response:

Provide concise, accurate information based on present knowledge of plant status and demonstration.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10af real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Tony Spinelli at Radio KXLY, Spokane. I'm calling to get the latest information about the incident at the nuclear plant there at Hanford. Whic company operates this plant? Have any employees been harmed by the demonstrators? Has any radioactive material been released?

Anticipated Response:

Provide concise, accurate information based on present knowledge of plant status. Provide information on Supply System using material in telephone resource book.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ag real time of 0900 to 0930)

Message:

This is an exercise. This is an exercise.

This is Larry Naylor at The Weekly in Seattle. Well, I see your security measures at the WHOOPS nuke are about as good as your operating record. How did the demonstrators get into your secured area? What are you going to do to them? Are the rest of the demonstrators still there at the plant?

Anticipated Response:

Provide concise status report using the latest available information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ah real time of 0900 to 0930)

Message:

This is a exercise. This is an exercise.

(Caller is Neva Smith) I'm a Seattle resident and my daughter is a member of Friends of Bivalve. I understand they are protesting your plant today. I need to know if you are going to put her in jail or will your guards just shoot all the protesters.

Anticipated Response:

Concise report of protest status. Security is there to protect property. Protestors will not be arrested as long as they obey the laws.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10ai real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

This is John Nance. My nephew works at the Plant. Have the protesters caused any problems with the plant for me to be concerned about him? He is the only family I have left.

Anticipated Response:

Give current consise report of any activity.
Tell him to listen to KONA for updates.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10aj real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

This is Jeff Arnold. My buddy's son works at the Plant. I was wondering if I could pick him up early today seeing you have an emergency out there. Can I get through any road blocks you might have set up.

Anticipated Response:

Give current consise report of any activity.
Tell him to listen to KONA for updates.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ak real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

This is Mrs. Edwards. My husband forgot his lunch today. I wanted to drive it out to him but heard you had some protesters out there. Is it alright for me to come out?

Anticipated Response:

Give current consise report of any activity.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephone Queries

(Sheet 10a1 real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

This is Mr. Seneker. I live in Franklin County. I'm real concerned about how you people are handling the protesters at the plant. I'd like to come to your information center where management might be so I can see for myself what you're doing to control the situation.

Anticipated Response:

Give current consise report of any activity.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10am real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

This is Jane Fredericks. I know you have protesters out there. Can you tell me if anyone has been killed yet. Is there danger of them doing damage to your plant? Or are these peaceful protesters?

Anticipated Response:

Give current consise report of any activity.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10an real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

Say, if you people need any help out there controlling your protesters, I was on special security duty in Vietnam. I'm sure my specialty service would benefit you guys.

Anticipated Response:

Give current consise report of any activity. Explain that we have trained security personnel for this. We can also call in local law enforcement if it is needed.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ao real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

Yeah, this is Tracy Blue. I was just wonderin if all your workers will be sent home early due to the protesters?

Anticipated Response:

Give current consise report of any activity.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ap real time of 0900 to 0930

Message:

This is an exercise. This is an exercise.

Yeah, this is Butrays supermarket. Should we be stocking up more inventory incase the protesters get through your fence line and cause an accident?

Anticipated Response:

Give current consise report of any activity. Tell him to listen to KONA.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10aq real time of 0930 to 1000 -Rumor No. 2)

Message:

This is an exercise. This is an exercise.

This is Tina Allaway with KONA Radio. I was talking with some of the protestors out at Plant 2 earlier this morning. They told me that there are people coming to Richland from all over the region to join the protest. Do you know anything about this?

Anticipated Response:

No information on such a movement, but will have a Public Affairs media coordinator check further and get back to her.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

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(Sheet 10ar real time of 0930 to 1000 Rumor NO. 2)

Message:

This is an exercise. This is an exercise.

This is Richard Reeder of KNDU-TV. Our camera crew at WNP-2 got quotes from some of the protestors to the effect that people are coming to Richland from all over the region to join the portest. Is that true? We'd like to stop by Supply System headquarters and film someone on your staff giving us a reaction to this protest. Would you have someone ready in about 20 minutes?

Anticipated Response:

No information on such a movement. Turn call over to supervisor for further handling.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10as real time of 0930 to 1000 Rumor No. 2)

Message:

This is an exercise. This is an exercise.

This is Brad Cross with the Tri-City Herald. Some of the protestors at Plant 2 were saying this morning that there are people coming to Richland from all over the region to join the protest. Do you have any information on such a move?

Anticipated Response:

No information to that effect. Turn call over to team supervisor for further handling.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet at real time of 0930 to 1000)

Message:

This is an exercise. This is an exercise.

This is Ann Lessard from NBC network tv in Los Angeles. We have received reports of the accident at the Hanford nuclear plant. I'd like an update on the situation so I can determine if we should send a network camera crew over there from Seattle.

Anticipated Response:

Provide a concise update using the latest information available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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Sheet 10au real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Gardner Damon from KHQ in Spokane. Since I last called, I heard about the fire you are having. Does it have anything to do with the protesters? Is anyone hurt? Is the fire going to cause any hazard to the public.

Anticipated Response:

Give current status report. An "Emergency Teleophone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10av real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Fred Lawson again from the Spokane Daily Chronicle. What's the current status of the protesters. We got word of the fire. Were the protesters involved. Has anyone been hurt?

Anticipated Response:

Give current status report. An "Emergency Teleophone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10aw real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Bernie Littlefield, from the Columbia Basin Herald. I send a reporter and photographer out there earlier. I heard there was a fire out there since the time they left. Can someone give me an update on the situation. I know my people probably aren't there yet and we need to keep up on any status changes.

Anticipated Response:

Give current status report. An "Emergency Teleophone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10ax real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Bill Powell again from Radio KUMA in Pendleton. I'd again like to tape our conversation to be sure I don't miss anything. Hold for a second. Alright, I'm ready. What is the current status of the plant since the fire broke out and has it affected the protesters or any Supply System employees.

Anticipated Response:

Give current status report. An "Emergency Telephone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10ay real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Maxwell Kent of The Olympian. Please tell me what the danger is to the public from this alert status at your plant. Do you expect things to get worse. Will workers be sent home?

Anticipated Response:

Give current status report. An "Emergency Telephone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10az real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

I live in Richland. I heard about the problems at your plant this morning. What are you doing to protect the public. Do you expect any radiation to escape. I have little ones and know radiation affects them more than adults.

Anticipated Response:

Give current consise report. Repeat EBS message if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ba real time of 0930 to 1000)

Message:

This is an exercise. This is an exercise.

My emergency radio came on earlier in the morning but the kids were so noisy that I couldn't hear the message clearly. Then I heard about the accident at the nuclear plant. We live in Section 1 according to the tag on the radio. Could you tell me what the radio message said? Does it affect my family?

Anticipated Response:

If EBS message content is known, repeat it for the caller. If not, give brief status of plant using facts on hand, and most recent broadcast PADs, if any. Remind caller of information listed in emergency calendar, and to keep listening to KONA.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
BIF County				

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(Sheet 10bb real time of 0930 to 1000)

Message:

This is an exercise. This is an exercise.

(Caller is Laura Weese, Richland) I've been listening to the radio reports about the terrorists at the plant in the Hanford area. I'm worried that this violence may spread into town, and Mother is even more worried than I am. She's 80 years old and isn't used to all this technology. She wants us to leave town and go to our cabin on the American River. Would you recommend that?

Anticipated Response:

Determine where the caller lives. Provide brief status report on situation. There is no need for anyone to leave Richland at this time because of the incident at Plant 2.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10bc real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

Yeah, this is Mrs. Hayes. My emergency radio came on earlier. It gave a message about a section of some sort but the sticker on my radio was lost a while ago and I forgot to tell my county person. Can you tell me if I have to do anything?

Anticipated Response:

Determine current address. Give current consise report. If EBS message content is known, repeat it for the caller. Tell her to refer to emergency calendar and listen to KONA.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10bd real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

I need your help. My neighbors are leaving because they're afraid of any kind of accident at WPPSS. My radio didn't go off and I don't believe my neighbors the way they react to anything. Can you tell me if I have to do anything?

Anticipated Response:

Determine current address. Give current consise report. If EBS message content is known, repeat it for the caller. Tell her to refer to emergency calendar and listen to KONA. She should call her county representative to get a radio or battery replacement.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10be real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

I live in Richland. I heard about the protesters. If you put them in jail, are they going to rebel by destroying the whole town knowing most of us who live here are pro nuclear? I'm really worried about my kids with these people in town.

Anticipated Response:

Give current consise report. Tell her about our security force and local law enforcement. If EBS message content is known, repeat it for the caller. Tell her to listen to KONA.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bf real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

I live in Franklin County. I heard some sirens but forgot what I was suppose to do when they go off.

Anticipated Response:

Give current consise report. Repeat EBS message if available and listen to KONA for instructions.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bg real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

Hey. My brother works out there. He called and said there was a fire. Is the smoke going to come my way?

Anticipated Response:

Give current consise report. Repeat EBS message if available and listen to KONA for instructions.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bh real time of 0930 to 1000

Message:

This is an exercise. This is an exercise.

This is Janell Dudley. My husband works out there. I can't seem to get in touch with him. His daughter is sick. We think its appendicitis. I need him to meet me at the hospital emergency room. Can you help me out.

Anticipated Response:

Finds out what group he is in and pass message on to Team Supervisor for action.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	____	____	____	____
JIC Public Info.	X	____	____	____
B/F County Co. Health	____	____	____	____

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Sheet 10bi real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Marilyn Sawyer, Radio KSEM in Moses Lake. What type of radioactive material do you expect to be released?

Anticipated Response:

Give current status report. An "Emergency Telephone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bj real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Billy Harrison of the Seattle P-I. Why has the situation worsened at the plant?

Anticipated Response:

Give current status report. An "Emergency Telephone Response Log" form should be prepared and forwarded to the the phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bk real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Dean Mason of KHQ-TV, Spokane. Which building at Plant 2 has the high radiation source? Can people enter into the building?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10b1 real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Rose Quintal, Aberdeen Daily World. Could you tell us who built your plant? How much did it cost? When did it go into operation.?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor. This information is in the teams resource book.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bm real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Don Chandler, The Oregonian. Could you give us a listing of three or four motels in the area of the plant?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor. This information is in the teams resource book.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bn real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Linda Hirakawa, The Seattle Times. Please give me a listing of all the communities surrounding your plant. Which of these are affected by the Alert event.

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor. This information is in the teams resource book.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bo real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Willis Mitchell, KOTY Radio in Kennewick. Where are all the people at the plant being sent to in case the situation gets worse. Do you have some sort of evacuation plan. How does this plan effect the public.

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10bp real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Warren VanOrden, PBS Radio in Pullman. I'm getting ready to go on the air in about 10 minutes. Can you give a very accurate concensus of the status of the plant. My radio station is known for accuracy so I'd rather get the story right the first time.

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/E County Co. Health				

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Sheet 10bq real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

My name is Carl Doright. I heard on my scanner about the fire at Hanford. My relatives all work there so I'd like to know if anyone is hurt. Is there going to be radiation leaked to the world like Chernoybl? Are workers going to have time to get out?

Anticipated Response:

Give current conditions and EBS contents if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10br real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

If you got a fire out there, what happens to all those protesters? Their just innocent people trying to make the area safe. Looks like they waited too long to get people to listen to them. Now look! You got a fire that will probably kill all your workers and the public too. What are you doing to protect any of us.

Anticipated Response:

Give current conditions and EBS contents if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bs real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This Ada McKinney. My neighbors are saying they are packing up and leaving the area cause their afraid of the nuke plant fire problem. I live on Wellsian Way in Richland. If everyone rushes on account of fright, you could have car accidents on your hands and have to live with that.

Anticipated Response:

Give current conditions and EBS contents if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bt real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Mike Clark from Standard & Poors. The news media have picked up that there is a fire at Plant 2. What do we tell bond holders? I've already gotten a couple of calls from concerned bond holders. I have to tell them something.

Anticipated Response:

Give current conditions. Person should pass message on to Supervisor after logging the call.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bu real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Jerry Larkin from Franklin Co. My wife works at your plant. After hearing about the fire, I'm concerned about her safety. Even though she just works in the Warehouse, she just found out she's pregnant. If the accident gets worse, I'm afraid she'll lose the baby. Has any of your employees evacuated? She didn't answer the phone. What should I do?

Anticipated Response:

Give current conditions. Repeat EBS message if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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Sheet 10bv real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Cindy Pavlich from Hermiston. My husband is a member of Friends of Bivalve. He told me he was going on a business trip. I'm concerned that he really was going to be protesting with the rest of the group but didn't want to tell me. Can I find out if he is there. Is going to be safe? I'm going to have a baby any day now and do not want him in jail or dead. Has your fire hurt anyone.

Anticipated Response:

Give current status ofprotesters. Repeat any news releases if available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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DRILL TIME	HOURS		TO		HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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Sheet 10bw real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Judy Harrod. I'm a student at CBC this summer. I heard about the problems you are having at Plant 2. I was wondering if I could go somewhere where I could get some information to write a paper for a class project. I also have a camcorder to video any management giving briefings. Where should I go to get the best information.

Anticipated Response:

Give current conditions. Tells Supervisor of call after she logs it. Tells student to possibly call back.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

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Sheet 10bx real time of 1000 to 1030

Message:

This is an exercise. This is an exercise.

This is Larry Kewitt. I'm a prof at CBC. I was wondering if I could bring my Nuclear Technology students over to your JIC to watch the process you go through during emergencies. They could get some other kinds of experience this way.

Anticipated Response:

Give current conditions. Tells Supervisor of call after she logs it. Tells him to possibly call back.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	____	____	____	____
JIC Public Info.	X	____	____	____
B/F County Co. Health	____	____	____	____

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10fa	Control Cell

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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To: Media (State)

From: Tri City Herald

Message: Have any additional security measures been taken, and if so what are they?

Anticipated Response: Tell, if any, what they are.

Time	Actual Response Correct?	Summary

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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Sheet 10by real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Richard Reeder, KNDU-TV. How much radiation has been released to the atmosphere? How many children are you expecting to evacuate Edwin Markham School?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Control Cell Telephone Queries

Sheet 10bz real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Kelly VanFleet, KING Radio, Seattle. Where are all the kids from school going to be sent? Are your field teams going to be dressed in PC's. This sight of your field teams could scare the public, especially children.

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Healrh				

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Sheet 10ca real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Tony Spinelli, Radio KXLY, Spokane. We're getting to broadcast the news and I'd like a run down of the status of your accident. Has anyone been hurt? Are the protesters under control yet. What has happened to them? Where do you plan to send employees that are not part of the emergency team?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10cb real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Larry Naylor, The Weekly. Seattle. We've got an exclusive that you are getting ready to classify to a General Emergency status. What type of protective measures should the public take to assure their safety?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10cc real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Brad Cross, Tri-City Herald. I undersand a substantial radiation dose has been released. How long before you have measurements as to what type and how much? This needs to be know right away so people can be instructed on what to do.

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10cd real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Ann Lessard, NBC-TV Network. We would like to interview one of your company management people about your accident. Could you please get them on the phone?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10ce real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Bill Powell, Radio KUMA, Pendleton. Are all the problems you are having at the plant related to each other or is each item a problem all its own? What are you doing to prevent anything else from happening?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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Sheet 10cf real time of 1030 to 1100

Message:

This is an exercise. This is an exercise.

This is Bernie Littlefield, Columbia Basin Herald. What do you think the total impact to environment will be due to the accident this morning? If you don't know now, just how long before you will know? Now that you can't operate, how is electricity supplied to your customers. Also, I'd like to know if any of your workers are contaminated?

Anticipated Response:

Give information. Log in log book and pass on to phone team supervisor.

Response

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County Co. Health				

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(Sheet 10cg real time of 1030 to 1100 Rumor No. 3)

Message:

This is an exercise. This is an exercise.

This is John Shippell from Pasco. I've got a load of furniture I need to deliver to Richland. My boss said some terrorists caused a release at Plant 2. Can I still deliver my load to Richland or is unsafe.

Anticipated Response:

Tell him it isn't true. Give current consise report of any activity.
Tell her to listen to KONA for updates.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ch real time of 1030 to 1100 Rumor No. 3)

Message:

This is an exercise. This is an exercise.

This is Neva Smith again from Seattle. I heard the protesters are really terrorists and they have caused a radiation leak at Plant 2. Like I said before, my daughter is a member of Friends of Bivalve. I can't believe she would take part in other than just protesting. I'm worried she is dead from the release. Can you give me update. I just don't know what to do.

Anticipated Response:

Give her current report of protesters. Also give report of cause of any plant conditions.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10ci real time of 1030 to 1100 Rumor No. 3)

Message:

This is an exercise. This is an exercise.

This is Judy Johnson from Kennewick. My son lives in Richland. I'm really concerned about the radiation release caused by the terrorists at Plant 2. Can you tell me if he is going to be alright. Did he maybe evacuate somewhere?

Anticipated Response:

Tell her it isn't true. Give current consise report of any activity. Tell her to listen to KONA for updates.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health				

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(Sheet 10cj real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Gene Rider) I heard about the problem at your Plant. My son is riding his cycle in the ORV park. Does he have to evacuate?

Anticipated Response:

No. Give current advisories.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Sheriff Rep	X			

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(Sheet 10ck real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

This is Andy Steiner, resident on Dogwood. I'm just letting your team members know that there are people at the accident scene who may be exposed to the plume).

B/F County:

This is Sgt. Roy Glass, Washington State Patrol. I'm on the scene of an accident at the corner of Cedar and Dayton. How much time do we have until we we are impacted by that Hanford emergency? Is the plume heading our way? Should we move the cable off the road or block off a section of the road. If you want us to block traffic, what intersections do you want us to do it on? We don't want to be standing in the plume.

Anticipated Response:

Acknowledge and thank them.

B/F County:

You are in the projected plume path. Evacuate the injured immediately. Reroute traffic around the blocked intersection of Cedar and Dayton.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County WSP Yak. Dispatch	X			

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(Sheet 10c1 real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

This is Brad Reeve in Sen. Slade Gorton's office in Spokane. The Senator has asked us to keep him updated on the situation at Plant 2. What's the status there now? How can we contact Don Mazur if the Senator should want to talk with him?

Anticipated Response:

Provide status report using factural information on hand. The Managing Director can be contacted through the Crisis Management Center when it is activated. Otherwise, the team member should note the request and ensure it gets to the team supervisor for forwarding to the JIC Director.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10cm real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

I live across the river from the Hanford nuke plant where the accident happened this morning. I heard that radiation was released and I want to know if there's a chance that it will get to where I live. Should I do something to protect my family and livestock? (Caller is Roberta Stafford, 2311 Auburn Road, Franklin County.)

Anticipated Response:

Determine where caller lives. Material with radioactive contamination was released from this morning's accident, but it has not spread far from the accident site. Teams are at work tracking the location of the material. Give PADs for Franklin County at this time, if any. Listen to KONA Radio.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10cn real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

This is Susan Borino (who lives at 620 Casper Lane, Franklin County). I recently moved into this house with this emergency radio in it. The radio has gone off this morning with some sort of message about an incident at the nuke plant. I don't know if I need to do something or not. My children are in school. Should I go get them?

Anticipated Response:

Determine from caller's address which section she lives in. Provide brief status report on accident. Determine if PADs, if any, apply to her area. Determine if she has an emergency calendar, and refer her to it if she has one. Keep tuned to KONA for updated information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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(Sheet 10du real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Franklin County Sheriff's Deputy Dillon) I'm on scene at an accident on Cedar and Dayton. I've put out flares. We will need help directing traffic.

Anticipated Response:

Make the call after they call the control cell asking for a deputy to respond.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	____	____	____	____
JIC Public Info.	____	____	____	____
B/F County Benton Dispatch	X	____	____	____

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(Sheet 10dw real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Nick Reynolds of Columbia Cable. We need an ambulance on the corder of Cedar and Dayton. We backed out of a driveway and ran into another vehicle. Two people are hurt, one pretty badly. Please hurry.

Anticipated Response:

They should ask you the following questions, however, if they don't, offer the information anyway.

Q: Is it blocking traffic?
A: Yes, our cable truck is crosswise on the road and tv cable is spread on the roadway.

Q: Extent of injuries:
A: Cuts on their face. One person is stuck under the truck.

Q: Description of the victims.
A: 2 males in late 20's.

Response to this simulated accident shall also be simulated. They should contact WSP and Fr. Co. Sheriff to provide traffic support.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County FR. CO. SHERIFF	X			

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(Sheet 10dx real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Mary at the Health Department.) What was the cause of this emergency. I just heard that it was because of a truck accident on Cedar and Dayton.

Anticipated Response:

Give her appropriate accident information.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Health	X			

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(Sheet 10ec real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Michelle Carrol). I was at Leslie Groves Park and looked upstream and it looks like the island across the river in Franklin County is on fire.

Anticipated Response:

They should call Franklin Co. Dispatch.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County B/Co. Dispatch	X			

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(Sheet 10ed real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Larry Reigler, Bat Chief, Pasco Fire Dept.) Patient free from the truck accident. Ambulance enroute to Our Lady of Lourdes. Possible back injury. Is there a chance that the patient or we are contaminated?

Anticipated Response:

Yes. Possible contamination. Should be monitored at Our Lady of Lourdes.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Dispatch	X			

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(Sheet 10eg real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

(Caller is Terry Smith.) There is a brush fire north of Ringold Rd to about Davis Lane. Have you been notified already?

Anticipated Response:

Kennewick-Richland Dispatch should have already notified them. Response to this message will be simulated.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Pasco Dispatch	X			

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VALID FOR TIMES OF:					
REAL TIME See below	☐ AM ☐ PM	TO See below	☐ AM ☐ PM	DRILL TIME HOURS	TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10eh real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise

(Caller is Jim Allen) I'm at Fr. Co. Fire Dist. 3, can you tell me where our emergency worker kit instructions are located?

Anticipated Response:

They should be inside your emergency worker kit or look in your FNF Plan. IP-19. May need to give exact location of emergency worker kit.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Fire Coord	X			

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ASSOCIATED WITH MESSAGES:

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(Sheet 10ei real time of 1030 to 1100)

Message:

This is an exercise. This is an exercise.

. This is Larry Reigler, (Bat Chief Richland Fire Dept.) Ambulance from Dayton and Cedar enroute to Our Lady of Lourdes code 3. Will the ambulance crew or the patients need to be checked for radiation? Is the hospital prepared to handle this?

Anticipated Response:

Yes.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County B/F Disp.	X			

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10ga	Control Cell

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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To: Media (State)

From: Reporter from the Missoula Bugle

Message: I want to come over and see what is going on at the power plant. What is the quickest route to the WNP-2 plant?

Anticipated Response: Tell him how to get from Missoula to the JIC.

Time	Actual Response Correct?	Summary

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10gb	Control Cell

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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To: Media (State)

From: Scientific American

Message: What protective actions have been recommended by the utility for the accident? Does the NRC agree? Has the state made any decisions? How do they coordinate them with the power plant? What if one says one thing and one says another?

Anticipated Response: Tell what has been recommended. NRC is part of the decision process, tell what the state decisions have been and the coordination that takes place.

Time	Actual Response Correct?	Summary

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REAL TIME 1030	☐ AM ☐ PM	TO 1100	☐ AM ☐ PM	HOURS	TO	HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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To: Media (State)

From: CBS News, Paul Stets

Message: What protective actions are being taken for the emergency workers and are there any casualties so far?

Anticipated Response: Tell what the protective actions have been and no there are no fatalities.

Time	Actual Response Correct?	Summary

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DRILL TIME HOURS TO HOURS

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To: Rumor Control (State)

From: Seattle News Reporter

Message: Is it true that if you are exposed to radiation that you can take radiation pills and it will absorb it so you won't be effected? Where do you get these pills and what are they really good for?

Anticipated Response: Tell what KI does, but only emergency workers take them.

Time	Actual Response Correct?	Summary

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DRILL TIME HOURS TO HOURS

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To: EOC Operations (State)

From: Private Citizen

Message: I live in Yakima and I am on a kidney dialysis machine, will the Supply System be able to continue to supply my electricity even though they have shut down the WNP-2 plant?

Anticipated Response: Yes, WNP-2 is only part of the Bonneville Grid.

Time	Actual Response Correct?	Summary

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

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To: Media (State)

From: Concerned Citizen

Message: I live in Richland and I want to know if my electric rates are going to go up because of this accident at Whoops. Are you sure it is safe for me to stay in Richland?

Anticipated Response: Don't know if the rates will go up. Yes, it is safe to stay in Richland.

Time	Actual Response Correct?	Summary

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To: Agriculture REP at State EOC

From: Manager of Richland Safeway Store

Message: What are the chances of the food stocks being contaminated? The store is located right here on George Washington Way not too far from the ten mile EPZ. Is someone going to come out and check this food to see if it is all right?

Anticipated Response: If the food was in the store before the release, it cannot be contaminated.

Time	Actual Response Correct?	Summary

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REAL TIME 1030 TO 1100

DRILL TIME HOURS TO HOURS

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To: Agriculture Rep. (State)

From: Private Citizen

Message: Could you please tell me what measures are being taken for the affected vegetable gardens in the Pasco area?

Anticipated Response: Give the info regarding washing leafy vegetables, scrubbing, removing outer leaves, etc.

Time	Actual Response Correct?	Summary

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To: Fisheries Rep. (State)

From: Bill Stacy, Washington Rod and Gun Club

Message: I am president of the Washington Rod and Gun Club and I am calling to find out how much radiation is expected in the fish from the Columbia River and any surrounding lakes near the WNP-2 plant.

Anticipated Response: Not speculating, fish will be monitored.

Time	Actual Response Correct?	Summary

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To: Health Officer (State)

From: Administrator from St. Mary Medical Center in Walla Walla

Message: I am calling to find out if we should be papering the emergency room in case we have a lot of contaminated people coming in. Are these people going to be screened at the assistance center before they get here? How many people should we really be expecting?

Anticipated Response: Yes, paper. It should be part of their procedures if they are dealing with radiated patients. People would be screened at the assistance centers. Give number, if one is known, for the people going to the hospital.

Time	Actual Response Correct?	Summary

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ASSOCIATED WITH MESSAGES

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To: Agriculture (State)

From: Dairy Farmer in Adams County

Message: Is it safe to send my milk to market? When will someone be out to test it? What do I do if it isn't safe?

Anticipated Response: Someone from the Office of Radiation Protection or one of the Federal Agencies doing testing will be testing milk in the areas that were affected by the plume release from the plant.

Time	Actual Response Correct?	Summary

968-15222 R1 (7-83)

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(Sheet 10co real time of 1100 to 1130 Rumor No. 4)

Message:

This is an exercise. This is an exercise.

John Splaine at KFAE Radio. There are reports circulating around that all the employees are leaving Plant 2 because of the danger of a meltdown. There seems to be a big increase in traffic on the Bypass Highway. What's happening at the plant?

Anticipated Response:

Explanation of plant status, including the need for a precautionary evacuation of non-essential personnel. Plant is not being abandoned.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10cp real time of 1100 to 1130) Rumor No. 4)

Message:

This is an exercise. This is an exercise.

This is Carol Dumas again, Associated Press, Yakima. I've gotten a report that workers are abandoning Plant 2 because there's danger of a fuel meltdown. I need to check on the accuracy of this report. What's is the situation at the plant now?

Anticipated Response:

Provide a concise summary of the accident situation using the latest information on hand. Precautionary evacuation of employees has begun. Explain why.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10cq real time of 1100 to 1130 Rumor No. 4)

Message:

This is an exercise. This is an exercise.

This is Willis Mitchell at KOTY Radio in Kennewick. I've heard that the work force at WNP-2 is evacuating because there's going to be a meltdown. Is there any truth to that statement? What is going on out there now?

Anticipated Response:

Explain plant status and the reason for the precautionary evacuation of non-essential Plant 2 personnel.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10cr real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Tina Allaway at KONA Radio, Pasco. I heard that you had to evacuate some WNP-2 workers because of radiation from this morning's accident. How many people were evacuated? Where did they go? Were any of them contaminated by the radioactive material released during the accident?

Anticipated Response:

Respond with available information on the evacuation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10cs real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Nancy Mozley at KALE Radio. Has the employee evacuation at WNP-2 been completed yet? How many employees were involved? Did they go home? Is the plant still operating?

Anticipated Response:

Provide response based on latest available information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10ct real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is John Splaine, Radio KFAE) Are the emergency workers taking special precautions to protect themselves from radiation? What are the precautions?

B/F County

[Deputy George Henry] Should we issue our emergency worker kits now? Are there any protective measures our deputies should take in the area near Hanford?

Anticipated Response:

Yes, give current PAD and then refer to County Rep.

B/F County:

Yes. Give current PADs.

B/F County

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County FR. Co. Sheriff Rep.	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10cu real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Nadine Ostroski with Radio KZAM, Bellevue. I'm getting ready for our noon news broadcast and I'd like to get an update on the accident at the Whoops nuclear plant. What's the situation there now?

Anticipated Response:

Provide a concise report using latest available information.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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DRILL TIME	HOURS	TO	HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10cv real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Robert Fordin from the Wall Street Journal in San Francisco. We have technical information about the accident at your plant this morning. What I'd like to have is your assessment of the impact of this accident on your upcoming sale of refunding bonds. Do you think you'll have to pay a higher interest rate because of the bad publicity?

Anticipated Response:

Refer question and caller's name, affiliation, and telephone number to team supervisor for forwarding to Finance for response.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10cw real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is Noah Jones, 725 Auburn Rd) I'm from Franklin County. My neighbor said the radiation is coming this way. What do I do with my farm animals? I can't leave my home because I'm waiting for a very important phone call.

Anticipated Response:

Provide applicable PADs. Refer to emergency calendar and listen to KONA.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Agr. Rep.	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10cx real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is John Trap - local fisherman) Say, I took my buddy down to Selph Landing to do some fishing. He doesn't have a car or a way to get out. He may hear a siren but wouldn't know what to do cause he isn't from this area. Can you guys help him?

Anticipated Response:

B/F County:

Will send someone to help.

Public Response:

Refer to Counties Rep.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County FR. CO. SHERIFF	X			

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(Sheet 10cy real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Gary Thomas, Fr. Co. Resident. What you doing about evacuating animals? Do you have big buses, so I can evacuate my cattle? If I lose them, I've lost everything I own. I live on West Fir.

Anticipated Response:

Tell her about Price-Anderson Act.

B/F County:

Give current PAD and explain Price-Anderson Act.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Agr. Rep.	X			

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(Sheet 10cz real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Gladys Stinson, I live at 106 Elm Street. I broke my leg and am in a wheel chair. I don't drive anyway. I called a taxi but they won't come because of the emergency. Is there someone with a wheel chair lift that can get me? What can I do to keep safe until you send someone to get me.

Anticipated Response:

Refer call to Counties' Rep.

B/F Response:

Should coordinate with Transp. Coordinator to get bus with chair lift. Stay indoors with windows closed until they arrive.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Benton Dispatch	X			

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(Sheet 10da real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Janice Sumner. I left my son at Little Angels at 3605 W. Ruby in Pasco and now when I call, no one answers. I'm really concerned! I don't want him hurt by the radiation from the nuke plant accident.

B/F County:

This is Marge Peterson, Red Cross Office. John Sumner's mother is trying to locate him. She left him at Little Angels in Pasco and now no one answers the phone. Has the daycare evacuated? Where do you think they have gone? What can I tell them is being done to locate their son?

Anticipated Response:

Refer call to Counties' Reps.

B/F County:
No, they haven't evacuated. Pasco area is not affected by the accident. Suggest they try calling the daycare again. They may be outside or you may have dialed incorrectly.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County ARC Rep.	X			

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(Sheet 10db real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Joe Garcia, Franklin County Resident. I heard on the radio that I have to evacuate. Where is the nearest shelter. I lost my calendar and don't know what to do or where to go. I live on Bellevue.

Anticipated Response:

Determine where exactly he lives. Provide opplicable PAD, if any. Tell him to listen to KONA.

B/F County:

May transfer to another extension. Then he should be told current instructions on where to go etc.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Receptionist	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10dc real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is George Gensen of 141 Country Haven Loop. I'm a paraplegic and will need a stretcher. Is someone going to come and help me.

Anticipated Response:

They should have this person listed in their procedure and be arranging for someone to help him.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Trans. Coord.	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10dd real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

This is Lisa Stratford calling from Spokane. I'm with HEAL (Hanford Education and Action League) and I'm interested in knowing what radioisotopes were released into the environment as a result of this morning's accident at WNP-2. What form are they in? What is being done to control their spread?

Anticipated Response:

Provide as complete an answer as possible, using the latest available information. Refer questions for which there is not complete information to team supervisor for processing.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County				

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

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Control Cell Telephone Queries

(Sheet 10dv real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is Gary Crutchfield, Mayor of Pasco) Does it look like I need to come to the Emergency Operations Center? Is this going to effect the City of Pasco? Will you keep me posted?

Anticipated Response:

Should keep him posted on the situation. Refer to PIO for any coordination or to Emergency Management Director.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Benton Dispatch	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10dy real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is Mike Cobb, Franklin Co. Police Officer). I'm out at a traffic jam near Eltopia West Road. There is a van here that must have overheated. It has a bunch of kids from Love Me Daycare in it. We need a bus immediately. It looks as if traffic is backed up for a long way.

Anticipated Response:

Refer to Transportation Coordinator to get transportation.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Dispatch	X			

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephone Queries

(Sheet 10dz real time of 1100 to 1130)

Message:

This is an exercise. This is an exercise.

(Caller is Sam Lorenz of Grant County EM Director.) Have you received anything on the wind direction at Hanford yet? We need to stay in close contact through this thing. Please keep me updated on your opeations as much as possible.

Anticipated Response:

Probably say to coordinate with State.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County DEM Director	X			

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10ha	Control Cell

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: Media (State)

From: Los Angeles Times Reporter

Message: Wants to know what has happened at the WNP-2 plant. What warnings were given to the public, what protective actions were taken, and how many casualties have there been so far?

Anticipated Response: Tell what has gone on at the plant, what type of notification was given to the public, what the protective actions have been, no fatalities.

Time	Actual Response Correct?	Summary

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10hb	Control Cell

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephonic Queries

To: Media (State)

From: Seattle Times

Message: Is the situation at the plant going to get any worse? Will Richland or Pasco have to evacuate? If they do evacuate, where would the people have to go?

Anticipated Response: Richland and Pasco will not have to be evacuated. Tell him where the assistance centers are located and who would have to use them.

Time	Actual Response Correct?	Summary

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REAL TIME 1100 TO 1130

DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephonic Queries

To: Media (State)

From: Washington Post Reporter

Message: What is going on out there with the WPPSS plant? Are things at the plant getting better or worse? Does the NRC consider this a serious problem? Has anyone been injured? How does this compare to Chernobyl?

Anticipated Response: Give an update as to what is going on at the plant. Very different from Chernobyl, explain the difference if necessary.

Time	Actual Response Correct?	Summary

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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To: Media (State)

From: CNN News in Atlanta

Message: What is the status of the WNP-2 plant? Is there any radiation danger to residents outside the ten mile radius? What is the dfiference between beta and gamma? Which is worse?

Anticipated Response: Give status, explain ingestion problems outside of ten mile radius, different types of radiation gamma can be worse only because beta can be blocked with anti-c clothing but gamma can't. Get info from HPs if he doesn't know the answer.

Time	Actual Response Correct?	Summary

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Control Cell Telephonic Queries

To: EOC Coordinator (State)

From: Private Citizen

Message: I can't find my farmer's information booklet that I was sent! I know that there is an accident out there, now I don't know what to do! Where can I get one?

Anticipated Response: Explain what has happened and what they should do.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Seattle PI Reporter

Message: How long will this evacuation take? What provisions are being taken to shelter the evacuees? What Federal participation is involved? When will the evacuees be allowed to return? What provisions have been taken to secure personal property.

Anticipated Response: Tell where the shelters are located and how long the evacuation took. What the FEDS are doing, don't know at this time when the evacuees will be going back, road blocks and sheriff patrol to prevent any looting.

Time	Actual Response Correct?	Summary

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Control Cell Telephonic Queries

To: Media (State)

From: Longview Daily News

Message: How much radiation has been released, or do you expect to be released?

Anticipated Response: Give information.

Time	Actual Response Correct?	Summary

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To: Rumor Control (State)

From: Private Citizen

Message: I live in Boise and I was planning to visit my brother in Pasco tomorrow. Is it safe to go? How long should I wait?

Anticipated Response: Safe to go as Pasco was not evacuated.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Yakima Daily News

Message: Would you please explain to me the radiation hazards associated with nuclear power. What is the difference between x-rays and gamma rays? Which is worse. Will animals suffer the same effects as humans?

Anticipated Response: Get information from DSHS and will return the call.

Time	Actual Response Correct?	Summary

968-15222 R1 (7-83)

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To: Media (State)

From: KING Radio

Message: Does the state plan to take any legal action against the Washington Public Power Supply System at this time? Do you think they will in the future?

Anticipated Response: Do not know what the state will do in the future.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: KOMO Radio

Message: We understand that the Columbia River has been closed. Does this mean that it is closed all the way to the Pacific? If not, how far was it closed? How were the people on the river notified to get off the river?

Anticipated Response: Closed to Leslie Groves Park, Sheriff evacuated the river using the bull horn and sirens going off.

Time	Actual Response Correct?	Summary

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To: Agriculture Rep (State)

From: Franklin Co. Farmer

Message: Do you have any idea how much money it takes to put my dairy herd on stored feed? Much less where it is going to come from! Who is going to pay for all of this problem. I knew I should have moved to another state!

Anticipated Response: Explain that under the Price Anderson Bill it will be covered.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: New York Review

Message: How many people were evacuated and are there any plans to evacuate more?

Anticipated Response: Give the number that were evacuated, no others expected to be evacuated.

Time	Actual Response Correct?	Summary

968-15222 R1 (7-83)

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To: Media (State)

From: Washington Post, reporter Bob Jackson

Message: Has anyone at FEMA recommended the use of KI? Why does a state like Tennessee let the people take it, but not Washington?

Anticipated Response: Washington's health officer deemed it was not necessary for anyone except emergency workers and special populations. (people who could not leave) to use KI. FEMA has said nothing about it.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: The Daily Olympian Reporter

Message: How many cancer deaths do you expect as a result of the general public's exposure?

Anticipated Response: Not willing to speculate.

Time	Actual Response Correct?	Summary

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To: Rumor Control (State)

From: Kate Jones, Private Citizen

Message: Is it safe to drink the water from my faucet? How will I know if it isn't safe? I live in Basin City.

Anticipated Response: Safe to drink the water because it comes from a covered source and she is out of the plume pathway.

Time	Actual Response Correct?	Summary

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To: EOC Coordinator (State)

From: Sara Cole, Housewife

Message: I just moved to the Richland area from Tennessee. I have some KI that was distributed to us when we lived near the TVA plant in Tenn. Should I be taking the KI? I haven't heard anything on the radio about the citizens taking KI. Don't you people have the general population take it? (Answer is no) Why don't you have the people taking it?

Anticipated Response: Should not take the KI, only the emergency workers are to take it.

Time	Actual Response Correct?	Summary

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To: Agriculture Rep. (State)

From: Carl Johnson, Farmer

Message: What am I supposed to do? I had to evacuate my land and my crops are about ready to be harvested. Will they be safe? What if I can't get in to harvest the crops and even if I do will they be safe to eat? I have a field of broccoli.

Anticipated Response: Security patrols are in affect, will be checked to determine if the broccoli is safe to eat.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Senator Gorton's Office

Message: This is Senator Gorton's Office. Has a boycott been initiated for interstate commerce of agriculture products from the affected counties in Washington?

Anticipated Response: No boycott has been initiated at this time.

Time	Actual Response Correct?	Summary

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(Sheet 10de real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is Bruce Jenkins, KMKN TV) We would like to arrange to take pictures of your JIC(EOC) and interview the emergency chairman.

Anticipated Response:

Input after the JIC(EOC) is declared activated. Refer to JIC or EOC Director.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County EOC PIO	X			

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(Sheet 10df real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is Charles Ryan at KIMA-TV, Yakima) We would like to have a camera team interview workers at one of the emergency centers. Would that be alright? Where should he go?

B/F County

(Caller is Marge or Mark Peterson, Red Cross Office) A television station wants to come in and interview some of the shelter residents. Would that be alright? Who should I refer him to?

Anticipated Response:

Refer to JIC Director or have them come to JIC.

B/F County

Give EWAC Coordinators name.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County ARC REP.	X			

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(Sheet 10dg real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is John McClelland Jr., publisher of the Saint Helens Chronicle in St. Helens, Oregon. I don't know if you're familiar with St. Helens, but we are just down the highway from the Trojan nuclear plant. We're getting reports on the radio about the accident at your nuke there. Everyone in town is talking about it. I'd like to know first-hand what happened and what the situation is. Do you think an accident like that could happen at the Trojan plant?

Anticipated Response:

Provide a concise report on the accident and present status, using latest available information. Do not speculate about the possibility of a similar accident happening at Trojan. Refer that question to PGE in Portland.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10dh real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Ron Saito at the Yakima Herald-Republic. We're getting close to deadline and I need an update on the accident situation there at Plant 2. Also, what happened to the protestors that were there earlier in the day?

Anticipated Response:

Provide an update using the most accurate information available.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10 di real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Steve Quinn calling from KIRO Radio in Seattle. What's happening now with the nuclear accident at Plant 2? (Pause for report) That's interesting. I'd like to get that on tape, if that's O.K. with you. (Pause) I have the tape rolling. Please identify yourself. What is Whoops doing about the radiation that was released this morning from the nuclear plant accident near Richland?

Anticipated Response:

Correct "Whoops" with Supply System. Then provide concise status report, using latest available information. Field teams have been tracking the plume and the dose rates are being verified. Give latest PADs.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10dj real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

My name is Steve Barrenson and I'm with The Othello Outlook newspaper. I want to know where the radiation that has been released is now. They say it's a cloud so what does it look like? How can you tell it from any other cloud?

Anticipated Response:

Provide information from latest updates about distribution of external radiation. Explain that the location of the material is being monitored by a trained team with special instruments. It is not a visible cloud.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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(Sheet 10dk real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Ralph Solberger at Radio KRSC in Othello. I understand that you give out information at this number for the news media. I'm looking for a report on the status of the accident at the Hanford nuclear plant. Has the radiation gotten across the Columbia River into Grant County? What should people watch out for? How far is this nuclear plant from the Othello area?

Anticipated Response:

Provide information from latest updates about distribution of external radiation. Field teams have been tracking the plume and the dose rates are being verified. Give latest PADs.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephone Queries

(Sheet 10d1 real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is John Reynolds, from the Adams County Journal in Ritzville. I'm interested in getting more information about the radiation that has gotten out as a result of this morning's accident at the Hanford nuke plant. How long will it stay on the ground? Will it get onto crops in that area? If so, is it dangerous?

Anticipated Response:

Provide information from latest updates about distribution of external radiation. Field teams have been tracking the plume and the dose rates are being verified. Give latest PADs. Refer crop questions to state Agriculture.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media	X			
JIC Public Info.				
B/F County				

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10dm real time of 1130 to 1200)

Message:

This is a drill. This is a drill.

This is PIO in Co. EWAC) There are some people concerned about what caused this emergency. Can you fill me in? Can you send someone over here with a description of where the plume is and the pattern it followed. Also send someone over with all the press releases up to this time. Can you find us a radiation expert to come and talk with these evacuees as soon as possible, I can't answer their questions on this. All of the procedures in our EWAC activation books including the EBS forms are for emergencies at nuclear plants. Do you think you'll be using this form and should we follow the same procedures? Does the Price-Anderson Act still apply?

Anticipated Response:

Refer call to Counties' Rep.

B/F County:

Answers all inquiries with available data.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County EOC PIO	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10dn real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Al Haymaker) What's going to happen to my cherry trees? You know this is my livelihood here. Be a pal and tell me what I should do?

Anticipated Response:

Give current PADs. Damage will be assessed after monitoring is complete. Tell him about Price-Anderson Act.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Agr Rep.	X			

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ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
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(Sheet 10do real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Marge Chow, Richland School District. Should we be preparing for any special type of actions at our schools because of this emergency.

Anticipated Response:

Provide answers using the latest available information. Refer the call to Counties' Rep.

B/F Counties:

No. The cloud is over Franklin County.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Trans. Coord.	X			

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(Sheet 10dp real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Sarah Newhart. I live near Eltopia Rd. When the evacuation was ordered, my husband was already in town running errands. Now that I'm not at home and he can't go home, how can I get in touch with him?

Anticipated Response:

Refer to County Rep.

B/F County:

Go to EWAC, if activated, and register with ARC.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Dispatch	X			

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ASSOCIATED WITH MESSAGES

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(Sheet 10dq real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is Margaret Downings, Franklin County. Apparently the plume has washed over my house and garage. What will happen to them now? How can they be decontaminated? Who will pay for it?

Anticipated Response:

Tell them about Price-Anderson and refer them to the Counties Rep.

B/F County:

Explain Price-Anderson.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County St. Health	X			

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(Sheet 10dr real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is John Ramos.) My garden still has some pumpkins and Zucchini growing in it. I live in zone 2 on Cedar Street). Is my garden destroyed?

Anticipated Response:

Refer to Counties Rep.

B/F County:

Cannot determine at this time. Contamination figures available at a later date.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Ag. Rep.	X			

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(Sheet 10ds real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise..

(Caller is Gayle Shook). I'm a wine salesman for a large California winery. We buy wines from this area. Are the grape crop and vines in this area ruined because of the accident at the power plant.

Anticipated Response:

Refer to County Agriculture Rep.

B/F County:

Only areas affected by the plume.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Agric. Rep	X			

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(Sheet 10dt real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

Caller Gina Hutchins. I live on Dogwood and when I evacuated, I couldn't get my dog to get in the car and so I had to leave without him. Where can I take him to to find out if he's been contaminated after I go back home.

Anticipated Response:

Refer to County Rep.

B/F County:

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.	X			
B/F County Co. Health	X			

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(Sheet 10ea real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is Lt. Panther, RPD) The traffic light has gone out at the Wellsian Way intersection. Traffic has backed up and is very slow. There is an officer directing traffic there now but the situation is not improving very quickly.

Anticipated Response:

Most likely sends help.

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County RPD Rep.	X			

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(Sheet 10eb real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is Mary at the Health Department) Take and Pay stores has offered to let evacuees charge the medicine they have left behind.

Anticipated Response:

Refer to KONA for announcement.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Health Rep.	X			

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INFORMATION APPLIES TO

Control Cell Telephone Queries

(Sheet 10ee real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

(Caller is EWAC Coordinator at EWAC center). There is a man and his wife here and they want to go into the N. Road 68 area to get their uncle out. He has refused to evacuate but they think they can talk him into it. Can you arrange for them to get past the road blocks? Has there been any conditions for reentry issued by the state yet?

Anticipated Response:

Give answers based on current conditions. May refer to law enforcement for route alerting.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County Health Rep	X			

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Control Cell Telephone Queries

(Sheet 10ef real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise..

(Caller is Marge Peterson, local Red Cross Office) I have a man here in my office from the Selph Landing area. He refuses to go home and wants to be referred to a motel. He also says he left soup on the stove and his house will burn down if someone doesn't go turn it off.

Anticipated Response:

Refer to County Rep.

B/E County:

Refer to EWAC if evacuated and contact Fire Coordinator.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/E County ARC REP.	X			

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(Sheet 10ej real time of 1130 to 1200)

Message:

This is an exercise. This is an exercise.

This is the Spokane Chapter of the Red Cross. How long before Spokane has to evacuate. We need enough notice to get more volunteers to help out.

Anticipated Response:

Provide status that emergency is not severe enough for Spokane to evacuate.

Response:

Message To (Team)	Called	Time	Actual Response Correct?	Summary
JIC Media				
JIC Public Info.				
B/F County ARC Rep.	X			

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: Media (State)

From: Private Citizen

Message: Philip James, from New York City, wants to know what major businesses and industries are located near the WNP-2 plant, and what effect the radiation will have on their activities - including shut downs, loss of product.

Anticipated Response: Major businesses that would be affected are those involving agriculture and dairy farms. Relate what the farmers would have to do.

Time	Actual Response Correct?	Summary

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DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

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To: EOC Coordinator (State)

From: Concerned Citizen, Jane Andrews

Message: I would like someone from the state to come out and take a water sample from my well. With all this problem at the nuclear plant I want to make sure that my water is safe to drink.

Anticipated Response: If the water is from a well, it is covered and there is no need to worry about it being contaminated. If it is open, it will be tested.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Boston Globe Reporter

Message: I would like to have complete details on what is going on at the power plant accident out there. How does it compare to TMI and Chernobyl? How many residents were evacuated? Where were they sent? Are all emergency systems in the plant working? Has anyone been killed or injured?

Anticipated Response: Explain what is going on, what areas are being evacuated if any, where the people are going and their numbers, what the plant is doing, explain the difference if they know regarding previous accidents, no one has been killed, tell of injuries if any.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Yakima Radio Reporter, Frank Palaski

Message: Wants to know what the Federal role was in the decision to have the people evacuate? Who made the decision anyway. What if the people didn't want to go, were they forced to leave?

Anticipated Response: FEDS had no role in telling the people to evacuate, State and County made the decision based on recommendations from the plant, people not forced to leave.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Senator Adams Office

Message: Senator Adams office calling to determine what Federal assistance has been made available.

Anticipated Response: Explain the type of federal assistance available or find out and call back.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: KIRO News Radio

Message: We understand that the poeple who live near the power plant were asked to evacuate their homes. How long did this take? How many people live in that area?

Anticipated Response: Give an estimated time that it took. Give the number of people in the area in quadrant evacuated.

Time	Actual Response Correct?	Summary

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To: State EOC Operations

From: Congressman Morrison's Office

Message: This is the Congressman's aide. He intends to fly home as soon as possible. Is there any reason why not to go? Can your office provide those little gizmos that detect radiation for about three of us?

Anticipated Response: No reason why not to if that is what he wants to do. He will not be allowed in the areas where people have been evacuated. See if it is possible to get TLDs..

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Seattle Daily Star

Message: When do you think President Bush will fly out here to be at the site of the accident? Who will be coming with him? Will he be given those radioactive pills?

Anticipated Response: Have not been told that the President is coming to the site.

Time	Actual Response Correct?	Summary

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ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: Media (State)

From: KJR News

Message: Would like some information regarding what security measures are being taken for personal property left behind during the evacuation.

Anticipated Response: Sheriff and State Patrol in charge of security.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: Spokesman Review Reporter

Message: Please give me an update on the WNP-2 situation. What is happening now? When can the people return home? Are they going to fill up the reactor with concrete? Will there be any more releases? Have people started filing law suits yet?

Anticipated Response: Give update, don't know when the people can return home, they aren't going to fill the reactor with concrete, don't know if there will be any more releases and haven't heard of anyone filing law suits..

Time	Actual Response Correct?	Summary

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To: Media (State)

From: KING TV Reporter

Message: Have Benton and Franklin Counties been declared a disaster area? Are there plans to request a federal declaration?

Anticipated Response: Explain declaration of emergency has been declared by county and state. Check to see if a federal declaration is to be requested.

Time	Actual Response Correct?	Summary

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To: EOC Coordinator (State)

From: Private Citizen

Message: I want to get a medical examination to be certain that I did not get any radiation during the evacuation. Who should I send the bill to?

Anticipated Response: Ask if they were checked at an assistance center. If not, they can be monitored there.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: KOMO Radio

Message: What impact did the weather have on the deposition of radiation? What do you expect today's forecast to do to this cloud of radiation?

Anticipated Response: Answer according to the weather given in the scenario.

Time	Actual Response Correct?	Summary

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To: Rumor Control (State)

From: Private Citizen, Lola Brown

Message: I was evacuated because of the radiation. I am two months pregnant. What are the chances of my child being born deformed? Should I get an abortion? Who can give me the adequate answers?

Anticipated Response: You were evacuated to prevent this type of thing happening, do not get an abortion.

Time	Actual Response Correct?	Summary

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To: Media (State)

From: KURE Radio

Message: This is Jack Mason of KURE in Pasco. You're on the air. We want to ask a few questions about the WPPSS situation. What is your name? Can you tell us what happened? Is the problem over? When can people go home? How can people tell if their pets or their livestock are radioactive when they get home?

Anticipated Response: Tell the Situation, don't know yet when the people can go home, can have their pets and livestock checked for radiation.

Time	Actual Response Correct?	Summary

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VALID FOR TIMES OF: ☐ AM ☐ PM

REAL TIME 1130 TO 1200 ☐ AM ☐ PM

DRILL TIME ____ HOURS TO ____ HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephonic Queries

To: County EOC (State)

From: Charlie Foster, Local Farmer

Message: Is my well water safe to drink? I am sure that it received some of that deadly radiation and I want someone to come out and check it to make sure. My farm is located in Kennewick.

Anticipated Response: Well water is safe to drink becuase it is covered.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10iq	Control Cell

VALID FOR TIMES OF: REAL TIME 1130 ☐ AM ☐ PM TO 1200 ☐ AM ☐ PM

DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: EOC Coordinator (State)

From: WA Rep. Sid Morrison

Message: When will it be possible for pregnant women to return to their homes without being affected by fallout? Do you have any idea how many women who evacuated are pregnant? What sort of medical effects could be expected to their unborn children?

Anticipated Response: Get information from the HPs.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10ir	Control Cell

VALID FOR TIMES OF:					
REAL TIME 1130	☐ AM ☐ PM	TO 1200	☐ AM ☐ PM	DRILL TIME ____ HOURS	TO ____ HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephonic Queries

To: Media (State)

From: Boston Globe Reporter

Message: How long will it take the radioactive cloud to disappear? What is in the fallout? How dangerous is it? If people are exposed, what will happen to them? How does it compare to the bombs that were dropped on Japan? Will the results to the people be the same?

Anticipated Response: Give the info from DSHS people.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10is	Control Cell

VALID FOR TIMES OF: REAL TIME 1130 ☐ AM ☐ PM TO 1200 ☐ AM ☐ PM

DRILL TIME ____ HOURS TO ____ HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: Media (State)

From: Seattle Reporter

Message: I have been told that this is the biggest nuclear disaster in the United States, is that true? How much radiation was released? Has the NRC notified any foreign government of the dangers? Will the release be detected in any other countries and if so where?

Anticipated Response: Give the amount of radiation released, NRC has notified other countries and at this time it is unknown where the release will be detected.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10it	Control Cell

VALID FOR TIMES OF: REAL TIME 1130 ☐ AM ☐ PM TO 1200 ☐ AM ☐ PM

DRILL TIME : HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Control Cell Telephonic Queries

To: Media (State)

From: Los Angeles Times

Message: Our Science Editor feels that the greatest risk to the public is from internal exposure. Are the evacuees being monitored for internal exposure?

Anticipated Response: All evacuees are being monitored and if they had internal radiation, it would be detected.

Time	Actual Response Correct?	Summary

968-15222 R1 (7-83)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise 90	PAGE ____ of
SHEET NO. 101u	RESPONSIBLE CONTROLLER (LOCATION) Control Cell
VALID FOR TIMES OF: REAL TIME 1130 ☐ AM ☐ PM TO 1200 ☐ AM ☐ PM	DRILL TIME HOURS TO HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Control Cell Telephonic Queries

To: EOC Coordinator (State)

From: John Williams

Message: Say, I keep hearing about this Price-Anderson Act going to pay out money for those of us who had to evacuate. When is this going to happen? I am staying with some friends here in Connell and I want to know how long I have to wait to get some money so that I can go stay at a motel and not put these friends out any longer. Where will the Federal Government be setting up their office? Who will be in charge?

Anticipated Response: Federal Insurance Company should be setting up today or tomorrow. The media will issue a press release as to the location. They are in charge of distributing the money.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
101v	Control Cell

VALID FOR TIMES OF:
REAL TIME 1130 ☐ AM ☐ PM TO 1200 ☐ AM ☐ PM
DRILL TIME ____ HOURS TO ____ HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Control Cell Telephonic Queries

To: EOC Coordinator (State)

From: Concerned Citizen

Message: Will it help if we boil the water before we drink it? I mean if there is any radiation in the water, will that take care of the radiation? What about drinking some sort of alcohol, will that take care of any poisonous radiation I might have gotten in my system when I was evacuating from my house.

Anticipated Response: Neither boiling the water or drinking alcohol will take care of any poisonous radiation.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10iw	Control Cell

VALID FOR TIMES OF: ☐ AM ☐ PM TO ☒ AM ☐ PM

REAL TIME 1130 TO 1200

DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephonic Queries

To: Rumor Control (State)

From: Mark Brown

Message: What is the Governor doing about the run on the banks that is occurring in the Tri Cities? Also, I heard that there was a run on the grocery stores over there too. Has the National Guard been called out yet? Don't you think that it would be a good idea to do that?

Anticipated Response: Check to see if there really is a run on the banks and grocery stores, then see what the Governor and National Guard are going to do.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10ix	Control Cell

VALID FOR TIMES OF:					
REAL TIME	☐ AM ☐ PM	TO	☐ AM ☐ PM	DRILL TIME	HOURS TO HOURS
1130		1200			

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephonic Queries

To: EOC Coordinator (State)

From: Walt Waiter

Message: Say, I have a geiger counter that I would be willing to use and help you people out with this problem you have at Whoops. Where would you like me to go to monitor people? I think you will find that my rates are very competitive.

Anticipated Response: Thank him, but tell him that DSHS is handling the monitoring.

Time	Actual Response Correct?	Summary

968-15222 R1 (7-83)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
101y	Control Cell

VALID FOR TIMES OF:				DRILL TIME	TO
REAL TIME 1130	☐ AM ☐ PM	TO: 1200	☐ AM ☐ PM	HOURS	HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Control Cell Telephonic Queries

To: Rumor Control (State)

From: Sue Green, Private Citizen

Message: Is it true that it will be at least five years before anyone will be able to cultivate the land around the Tri Cities area? Isn't this a situation just like Chernobyl?

Anticipated Response: This reactor is not like Chernobyl. Right now it is difficult to say how long land will not be able to be cultivated. It will depend on the soil sample tests that DSHS is doing.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
10iz	Control Cell

VALID FOR TIMES OF:					
REAL TIME 1130	☐ AM ☐ PM	TO 1200	☐ AM ☐ PM	DRILL TIME HOURS	TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Control Cell Telephonic Queries

To: Rumor Control (State)

From: Concerned Citizen

Message: I understand that all men who live within 50 miles from this Whoops plant are going to become sterile as a result of this big accident. What can I do to prevent this?

Anticipated Response: This is not true. The amount of radiation released will not affect the male population.

Time	Actual Response Correct?	Summary

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

STRICTLY PRIVATE

LOCKED STORAGE REQUIRED

UNTIL AFTER 9/11/90

THE ATTACHED DOCUMENT MUST NOT BE LEFT UNATTENDED OR WHERE ANY UNAUTHORIZED PERSON MAY HAVE ACCESS TO IT. WHEN NOT IN USE, IT MUST BE STORED IN A LOCKED REPOSITORY. WHILE IN YOUR POSSESSION IT IS YOUR RESPONSIBILITY TO PROTECT IT AND IT'S CONTENTS FROM ANY UNAUTHORIZED PERSON.

AFTER PROCESSING, WHEN THE ATTACHED DOCUMENT IS READY TO BE FILED IN A LOCKED REPOSITORY, THIS COVER SHEET MAY BE DETACHED AND DESTROYED.

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EXERCISE 90

DRAFT

Exercise Director: R.A. Chitwood

Exercise Coordinators: V.E. Shockley

J.A. Landon

R.D. Mogle

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PACKAGE CONTENTS

EXERCISE 90

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NOTE

PARTS II AND III ARE CONTROLLED DISTRIBUTION

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PART I
OBJECTIVES AND LIMITATIONS
EXERCISE 90

NOTE
UNCONTROLLED DISTRIBUTION

NOTE
UNCONTROLLED DISTRIBUTION

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SECTION IA
OBJECTIVES AND LIMITATIONS
EXERCISE 90

A. SCOPE

The primary purpose of this exercise, scheduled for September 11, 1990, is to demonstrate effective management of the emergency and plant recovery operations with efficient coordination and communications between the activated Supply System emergency centers; Control Room (simulator), Operations Support Center (OSC), Technical Support Center (TSC), the Emergency Operations Facility (EOF) and the Joint Information Center (JIC). The exercise will be characterized by required response to an emergency situation that will involve classification, notification, center activation, team deployment, accident prognosis and mitigation, and the preparation of plant recovery operations procedures.

Timely and proper response by the players will contribute to mitigation of the simulated accident consequences. Participation by EOF and JIC liason personnel, as well as offsite agencies such as the Benton/Franklin Counties EOC and Washington State DEM, will occur.

B. OBJECTIVES

Numbered objectives reflect standardized federal agency objectives. Subparagraph letter groups reflect specific objectives. Some are keyed to findings from earlier exercises and drills as indicated by the document code numbers in parentheses.

Emergency Classification Levels

1. Demonstrate the ability to monitor, understand and use emergency classification levels (ECLs) through the appropriate implementation of emergency functions and activities corresponding to ECLs as required by the scenario. The four ECLS are Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.

    a. Centers affected: Control Room, TSC, and Benton/Franklin County and State EOCs.

    b. Limitations: None.

    c. Supporting objectives:

        1) Demonstrate the ability to completely fill out information on the FNF notification form. (Drill 89-2, CAR C-22-SS; E89, CAR 89-20)

REVISED: 7/9/90

Mobilization of Emergency Personnel

2. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

a. Centers Affected: All.

b. Limitations:

1) Neither round-the-clock staffing nor will shift change be demonstrated.

2) Phones in the JIC may not be prestaged.

3) WA EOC and the State WEIC will be set up (phones, equipment, materials, etc.).

4) All State personnel who would respond to Richland will be in Richland prior to the exercise. This is due to the increased cost of chartering special planes to respond to the exercise at the time of the accident. However, no response team will arrive at their appointed exercise location until the realistic time for arrival after the specific event classification.

c. Supporting Objectives:

1) Demonstrate the ability of the Technical Data Center to perform assigned tasks such as specific technical analyses (D89-2 CAR C-12).

2) Demonstrate the capability of the Public Address system to notify personnel within the Protected Area and the Industrial Area of an emergency (Drill/Exercise). Specifically, the PA system within buildings 56, 81 & 82. (D90-1, CAR 90-0003)

3) Demonstrate the capability to provide adequate and timely announcements on the "ACTIVATED" status for emergency centers. The assumption of procedural responsibilities by key emergency center decision makers is not always clearly made known to center staff or to other emergency centers. (E89, CAR 89-26)

4) Demonstrate that pager carriers are acknowledging receipt of classification notifications by calling back to the EOFCC to state their intent to respond or to not respond. (D89-2, CAR B-6-CC)

Direction and Control

3. Demonstrate the ability to direct, coordinate and control emergency activities for Supply System and off-site support agencies.

   a. Centers affected: All.

   b. Limitations: None

   c. Supporting objectives:

      1) Demonstrate the ability of the OSC staff to correctly track and control all plant reentry teams, assume control of personnel already dispatched at the time of OSC activation (to include security personnel), and to maintain effective communications with all dispatched teams (D89-2 CAR C-1).

      2) Demonstrate a smooth, coordinated assumption of PED duties from the initial PED/Shift Manager and effective activation of the TSC (E88, CAR NRC 88-29-C6).

      3) Demonstrate an orderly, mutually understood transfer of control for direction of the Plant Emergency Team (PET) from the Control Room (Simulator) to the OSC with cognizance on the part of the TSC. (D89-2, CAR C-1-OS; E89, CAR 89-11; D90-1, CAR 90-0002)

Communications

4. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

   a. Center affected: All.

   b. Limitations: WA EOC will not utilize the NAWAS system. WA EOC staff will prepare and read NAWAS message text as required by scenario. FEMA will provide tape recorder for recording NAWAS messages.

   c. Supporting objectives:

      1) Demonstrate proper functioning and set up of the communications systems, e.g. the Crash phones, PA speakers clarity, TSC phone locations, distinguishable simulator phone ringers, ENS line, fax, and STA phones, CRS phone console layout, radio clarity in the CAS, and OSC phone cable routing (E88, CAR C-25; D89-2, CAR C-4).

2) Demonstrate timely and accurate exchange of information on such things as plant and emergency status, including completion of major activities, between emergency centers such as the Control Room, TSC, OSC, EOF and JIC, and dispatched emergency teams. Include such items as:

- Proper Control Room staff PA announcements, notifications of emergency events and utilization of augmenting staff when warranted; proper TSC inclusion of the TSC Director and notifications of significant updates to the NRC, OSC and others, and timely announcements of existing hazards accompanied by correct alerting tone (D89-2, CAR C-8).

- Timely airspace closure by the OACC staff, proper information net control by the TSC Information Coordinator, and a displayed familiarity with plant systems by the TSC, SSDC and TDC information coordinators (E88, CAR C-7; D 89-2, CAR C-11).

- Realistic communications by deployed Supply System reentry teams when all members are simulated to be in SCBAs.

- Critical information on actions to mitigate plant problems, or operational status for plant emergency centers is not always transmitted by emergency centers that have a need to know. (E89, CARs 89-14 and 89-25; D89-2, CAR B-5-TS)

- Transmittal of ARM readings between the Control Room (Simulator), TSC and OSC have been less than adequate. (D89-2, CAR C-10-TS)

- Adequate and timely announcements are not always made nor repeated to emergency personnel to keep them apprised of plant conditions and/or hazards to avoid. (NRC NOTICE OF VIOLATION; E89, CARs 89-13 and 89-35)

- Postings of the plume EPZ PAR/PAD status boards in the SSDC and in MUDAC have been less than adequate for timeliness and completeness. (D89-2, CAR C-22-SS; E89, CAR 89-20)

- Supply System Field Teams do not always establish immediate contact with MUDAC by phone or radio to keep coordinators informed of their deployment status. (D89-2, CAR B-7- MU)

- o Some Supply System Field Team members have demonstrated less than adequate familiarity with proper setup of portable radio communications enhancement equipment for use in vehicles. (E89, CAR 89-19)

3) Demonstrate the ability to initiate notifications to the EOF Communications Center, state, counties, DOE-RL and NRC in a proper and timely manner.

Facilities, Equipment and Displays

5. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

   a. Centers affected: All.

   b. Limitations:

      1) Phones in the JIC may not be prestaged.

      2) State EOC will be prestaged.

   c. Supporting objectives:

      1) Demonstrate the presence or availability and functioning of required equipment, or utilization of effective compensatory measures, in the OSC (E88, CAR C-26).

      2) Demonstrate the proper and timely maintenance of emergency center data displays, especially in the PAP lobby, SSDC, MUDAC and JIC (D89-2, CAR C-17).

Emergency Worker Exposure Control

6. Demonstrate the ability to continuously monitor and control emergency worker exposure.

   a. Centers and agencies affected: OSC, CAS, MUDAC and Benton/Franklin County EOC.

   b. Limitations:

      1) The PAP and AAP will remain functional for routine plant operations. Actual security is not to be jeopardized.

      2) Radioactive material will not be utilized to "spike" any sample nor for contamination props.

      3) Offsite field team members will not wear protective clothing in the field except those dispatched on the Hanford Reservation.

4) SCBAs may be worn by bearded personnel.

5) Protective clothing and SCBAs need only be utilized throughout the first deployment of each emergency worker if proficiency is demonstrated. In the interest of safety, SCBAs may be removed from anyone stressed by its use.

c. Supporting Objectives:

1) Demonstrate the ability to move badges and TLDs, or mock ups from the PAP/AAP.

2) Demonstrate effective control of Security Force emergency workers (D89-2, C-12).

3) Demonstrate that continuous radiation monitoring is being performed by Field Teams, even while proceeding to assigned locations. (E89, CAR 89-34)

4) Demonstrate familiarity on the part of HP Center Staff and on the part of Supply System Field Teams with where to obtain MCA's and air cartridge purging equipment. (D89-3, CAR 89-07)

Field Radiological Monitoring

7. Demonstrate the appropriate equipment and procedures for determining field radiation measurements.

a. Centers affected: MUDAC (and field teams).

b. Limitations:

1) Mutual aid response will not be demonstrated.

2) WA DOH will deploy two field teams to demonstrate the objectives 7, 8, and 9.

c. Supporting Objective: None.

8. Demonstrate the appropriate equipment and procedures for the measurement for airborne radioiodine concentrations as low as 10-7 microcuries per cc in the presence of noble gases.

a. Centers affected: MUDAC (and field teams).

b. Limitations: WA DOH will deploy two field teams to demonstrate the objectives 7, 8, and 9.

c. Supporting objectives: None.

9. Demonstrate the ability to obtain samples of particulate activity in the airborne plume and promptly perform laboratory analysis.

   a. Center affected: Field Teams.

   b. Limitations:

      1) Laboratory analysis will not be performed.

      2) WA DOH will deploy two field teams to demonstrate objectives 7, 8, and 9. WA DOH will be expected to demonstrate the mechanism of meeting with WSP and simulating the transfer of particulate filters and cartridges to WSP (for transport to the WA LAB).

   c. Supporting objectives: None.

Plume Dose Projection

10. Demonstrate the ability, within the plume exposure pathway, to project (including thyroid dosage) dosage to the public via plume exposure.

   a. Center affected: MUDAC.

   b. Limitations: None.

   c. Supporting objectives:

      1) Demonstrate that Control Room personnel are familiar with how to determine plume release rate utilizing the TRS-80 handheld microcomputer. (NRC Inspection Report, Item 50-397)

Plume Protective Action Decision Making

11. Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's, availability of adequate shelter, evacuation time estimates and other relevant factors.

   a. Centers affected: Benton/Franklin County EOC.

   b. Limitations: None.

   c. Supporting Objectives: None.

Alert, Notification and Emergency Information

12. Demonstrate the ability to initially alert the public within the 10-mile EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate state and/or local officials.

a. Centers affected: Benton/Franklin County EOC

b. Limitations:

1) Subsequent to the initial real KONA broadcasted EBS message (normal test message), the EBS broadcasts will be simulated on a special telephone speaker circuit.

2) City of Richland will not be expected to perform route alerting of the Horn Rapids area.

c. Supporting Objectives:

1) WA Department of Wildlife will demonstrate alerting (IP-14 in the B/F Plan).

2) Benton and Franklin Counties will demonstrate route alerting along the Columbia River (at least 4 boats shall be targets for alerting, one to the north of the five mile zone, 2 within the five mile zone, and one south of the five mile zone.

3) Benton and Franklin Counties will prepare appropriate EBS messages. FEMA will record EBS messages. Message broadcast should be bilingual.

4) Benton and Franklin County will activate the 4 sirens (to be in sequence and within 15 minutes from receipt of SAE and EBS message broadcast) and prepare/broadcast the exercise EBS message for Columbia River evacuation.

5) Radio station KONA shall broadcast the initial EBS message (indicating that this is a test, that an exercise is being conducted and that sounding of the sirens is for the exercise) upon request of B/F EOC (in conjunction with SAE/River route alerting).

13. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.

a. Centers affected: CR, TSC, EOF, JIC and offsite agencies.

b. Limitations:

1) The EBS broadcasts will be simulated on a special telephone speaker circuit.

c. Supporting objectives:

1) Demonstrate proper completion of required notification forms (D89-2, CAR C-22-SS; E89, CAR 89-20).

14. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

a. Centers affected: JIC and State WEIC.

b. Limitations: None.

c. Supporting objectives

1) Demonstrate correct, timely and courteous responses by JIC and State WEIC telephone teams to all calls from the simulated media and public (D90-1, CAR 90-0017).

2) Demonstrate that at least one phone on each telephone team remains functional at all times after activation of the JIC (E88, CAR C-22).

3) Demonstrate proper discharge of all JIC responsibilities, e.g., proper team supervision, equipment activation and checks, news release preparation and distribution, conduct of news conferences, notifications and documentation (D89-2 CAR B-9).

- Initial coordinating duties of key JIC personnel has been less than adequate for:

  a) Outside telephone line forwarding capabilities are not always checked for operational readiness.

  b) Team supervisors do not always assure all equipment is gathered and is operational.

  c) Company switchboard operators are not always informed when media and public information teams are activated and where to forward incoming calls.

4) Demonstrate that the JIC includes information on confirmed plant radiological releases in news releases to the media. (E89, CAR 89-21)

5) Demonstrate that elapsed time is minimized from when the JIC is activated and when a first news conference is scheduled. (D89-4, CAR 90-0012)

15. Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion.

a. Centers affected: JIC and State WEIC.

b. Limitations: None.

c. Supporting objectives: None.

Use of KI.

16. Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made.

a. Centers affected: TSC, OSC, CAS, EOF, offsite agencies.

b. Limitations: There are no institutionalized persons in the plume EPZ.

c. Supporting objectives: None.

17. Not applicable.

Implementation of Protective Actions, Traffic Control, Relocation Centers and Medical Services

18. Demonstrate the ability and resources necessary to implement appropriate protective actions for the impacted permanent and transient plume EPZ population (including transit-dependent persons, special needs populations, handicapped persons and institutionalized persons).

a. Centers affected: Benton/Franklin County EOC.

b. Limitations:

1) Evacuations will be simulated; no personnel will actually be moved.

2) Scenario shall call for two mobility impaired persons to request transportation assitance, B/F EOC shall dispatch resources to location and simulate the transport to EWAC (no persons will be moved, vehicle shall run route to EWAC).

c. Supporting Objectives:

1) Demonstrate the capability to evacuate school children from the plume.

19. Demonstrate the ability and resources necessary to implement appropriate protective actions for school children within the plume EPZ.

a. Centers affected: County EOC.

b. Limitations: B/F EOC shall dispatch resources to one school to demonstrate driver's knowledge of route, EWAC location, EW kit, communication procedure, etc. Bus will wait at school 5 minutes to simulate loading time of children.

c. Supporting Objectives: None.

20. Demonstrate the organizational ability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

a. Centers affected: Benton/Franklin County EOC.

b. Limitations:

1) WSP will provide vehicles and staff in support of B/F plan.

2) City of Richland will deploy resources for closure of river access; Franklin County will deploy resources for closure of river (Ringold and Selph Landing), the two Franklin County vehicles will be redeployed to two access control points; and the two Franklin County vehicles will demonstrate evacuation verification patrol. Note: an out of sequence message will be inserted at B/F EOC, requesting that this response function be demonstrated.

c. Supporting Objectives: None

21. Not applicable.

22. Not applicable.

23. Not applicable.

24. Not applicable.

Decontamination, Supplementary Assistance and Ingestion

25. Not applicable.

26. Demonstrate the ability to identify the need for and call upon Federal and other outside support agencies' assistance.

    a. Centers affected: TSC, SSDC, Benton/Franklin County and State EOCs.

    b. Limitations: None

    c. Supporting Objectives: None

27. Not applicable.

28. Not applicable.

29. Not applicable.

30. Not applicable.

Recovery, Reentry and Relocation

31. Not applicable.

32. Not applicable.

33. Not applicable.

24 Hour Staffing, Evacuation of Onsite Personnel and Unannounced Drill

34. Not applicable.

35. Demonstrate the ability to coordinate the evacuation of onsite personnel.

    a. Centers affected: CR (sim), TSC, OSC, SSDC, EOFCC, HPC, MUDAC.

    b. Limitations: Only 'players' will be evacuees.

    c. Supporting Objectives: None

36. Not applicable.

SECTION IB

SCHEDULE

EXERCISE 90

Activity	Date	Time	Location	Facilitator
A. Player Sessions				
o Player Orientations	Sept 10	1200-1300	GSB Conf. Room	J.A. Landon
		1330-1430	PSF, Rm 141	V.E. Shockley
		1430-1530	MPF Auditorium	R.L. Romanelli
o Special Player Orientations:				
- Operations Crew	TBD	TBD	PSF Room 217	J.A. Landon
- Security Officers	Sept 10	0600	Bldg 13	R.D. Mogle
o Exercise/Drill	Sept 11	As Req'd.	Various	Respective
B. Evaluator/Controller Sessions				
o Early select key controller issue	Aug 28	1030-1130	PSF Room 141	V.E. Shockley
o Training (for those not certified)	Aug 30	0730-1200	PSF Rm 141	Y.E. Derrer
o Scenario Issue, Orientation & Break-out Sessions	Sept 4	0730-1130	PSF Rm 141	R.D. Mogle
o Casualty Scene Inspection (if needed)	Sept 4	1230-1530	GSB Lunchroom	J.A. Landon
o Final Supply System, FEMA and NRC Controller/Evaluator Coordination Session	Sept 10	0730-1130	PSF Rm 141	R.D. Mogle
o Exercise 90	Sept 11	As Req'd	Various	Respective

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SECTION IC
PLAYERS POSITIONS
EXERCISE 90

PARTICIPANTS/OBSERVERS

1. Supply System Players - Plant

A. Control Room (Simulator) (McKay)

(1) Shift Manager _____
(2) Control Room Supervisor _____
(3) Reactor Operators _____
_____
_____
_____
(4) Shift Technical Advisor _____
(5) Operations Communicator _____
(6) Information Coordinator _____

B. Operations Support Center (Harmon)

(1) OSC Director (Harmon) _____

(2) Plant Emergency Team Leader (McKay) _____

(3) HP Personnel: (Graybeal)
Plant Emergency Team _____
_____

(4) Equipment Operators: (McKay)
a) Plant Emergency Team _____
_____
_____
b) Others _____
_____

(5) Maintenance Support Personnel

a) Electricians (Harmon) _____

b) Mechanics (Harmon) _____

c) I&C Technicians (Harmon) _____

d) Electrical Maintenance/ I&C Technician (Harmon) _____

e) Radwaste Operator (McKay) _____

(6) HP OSC Support Personnel (Graybeal)

a) Lead HP _____

b) Other HP Support Pers _____

(7) Chemistry Staff (Graybeal) _____

(8) Safety Support Individual (Harmon) _____

(9) Administrative Support Staff (Harmon)

a) Significant Event Logkeeper (Harmon) _____

b) Phone Communicators (Harmon) _____

(Harmon) _____

c) Stenographer (Harmon) _____

d) Records Coordinator (Peters) _____

e) Radio Communicator (Harmon) _____

(Harmon) _____

f) Dosimetry Support (Graybeal) _____

(Graybeal) _____

(Graybeal) _____

(10) OSC Support Personnel (Harmon)

a) Information Coordinator (Harmon) _____

b) HP Log Keeper (Graybeal) _____

c) Team Tracking Locator (Harmon) _____

(Harmon) _____

e) Accountability Person (Harmon) _____

_____

f) Team Briefer/Debriefer (Harmon) _____

_____

g) Warehouse Coordinator (TBD) _____

(11) Security Operations Coordinator (Telander) _____

C. Technical Support Center (Koenigs)

(1) Plant Emergency Director (Powers) _____

(2) Assistant Plant Emergency Director (Powers) _____

(3) TSC Director (Koenigs) _____

(4) Plant Technical Staff

a) Thermal Hydraulics (Koenigs) _____
b) Mechanical (Koenigs) _____
c) Electrical (Koenigs) _____
d) Chemical (Koenigs) _____
e) Computer (Koenigs) _____

(5) Operations Manager (McKay) _____

(6) Radiation Protection Manager (Graybeal) _____

a) HP Technician (Graybeal) _____

(7) Radiological Data Coordinator (Graybeal) _____

(8) Administrative Manager (Peters) _____

(9) Administrative Support Staff (Peters)

a) Status Board Keepers:
- Plant _____
- Significant Events _____

b) FAX Operator _____
c) Helper _____
d) Operations Communicator _____

e) Radio/Phone Communicator _____

f) Records Coordinator _____

g) Accountability Coordinator _____

h) Stenographers (PED) _____

(TSC-D) _____

i) TSC/OSC Liaison _____

(10) Information Coordinator (Koenigs) _____

(11) Plant/NRC Liaison (Hosler) _____

D. Central Alarm Station (Telander)

(1) Security Supervisor _____

(2) Security Officers _____

_____

_____

_____

_____

_____

_____

_____

_____

2. Supply System Players - EOF

A. Supply System Decision Center (Oxsen)

(1) Recovery Manager _____

(2) Assistant Recovery Manager _____

(3) Licensing Manager _____

(4) Safety Manager _____

(5) Site Support Manager _____

(6) Administrative Support Manager _____

(7) Administrative Support Staff

a) Secretary _____

b) Stenographer _____

c) Helper _____

d) Manpower Scheduler _____

(8) Information Coordinator _____

B. Security Decision Center (Telander)

(1) Security Manager _____

(2) Center Supervisor _____

(3) LLEA Coordinator _____

(4) Information Coordinator _____

(5) Staff Posting _____

(6) Staff Posting and Communications Runner _____

C. EOF Communications Center

(1) Center Coordinator (Telander) _____

(2) Duty Officer (Telander) _____

(3) Responder (Telander) _____

(4) Notification Support Person (Chitwood) Not staffed for Exercise

(5) Telefax Operator (Voss) _____

(6) Helper (Voss) _____

(7) Communications Manager (Voss) _____

(8) Plant Communications Coordinator (Voss) _____

(9) Communications Technicians (Voss) _____

(10) Communications Runner (Voss) _____

D. Offsite Agency Coordination Center (Kiel)

(1) Offsite Agency Coordinator _____

(2) Assistant Offsite Agency Coordinator _____

(3) Administrative Support Staff

a) Stenographer _____

b) Helper _____

(4) EOF Information Coordinator _____

E. Emergency Operations Center (Noyes)

(1) Representatives to State EOC _____

_____

(2) Representatives to County EOC _____

_____

F. Technical Data Center (Noyes)

(1) Technical Manager _____

(2) Technical Staff:

a) Fuels Assessment _____

b) Plant Systems Assessment _____

c) Radiation Detection Systems _____

amd Safety Assessment _____

d) Electrical/I&C Systems _____

e) State/County Technical Liaison _____

f) GDS _____

(3) TDC Support Personnel:

o TDC Information Coordinator _____

(4) Administrative Support Staff:

o Secretary _____

G. Meteorology and Unified Dose Assessment Center (Larson)

(1) Radiological Emergency Manager _____
(2) MUDAC Coordinator _____
(3) Meteorologist _____
(4) Dose Projection/HP _____
(5) Field Team Coordinator _____
(6) Field Team Dispatcher _____
(7) Aircraft Ground Controller _____
(8) Dose Projection/Systems Analyst _____
(9) Environmental Field Teams
a) Team No. 1 _____
_____
b) Team No. 2 _____
_____
c) Team No. 3 _____
_____
(10) Stenographers _____
_____
(11) Information Coordinator _____

H. Health Physics Center

(1) Center Coordinator _____
(2) HP/Chem Staff _____
_____
(3) HP Center Staff _____
_____

I. Media Briefing Preparation Area (Tupper)

(1) EOF Public Information Officer _____
(2) Technical Liaison _____
_____
(3) Network Coordinator _____

J. Other Administrative Support Staff Work Areas

(1) Janitor _____
(2) Word Processor _____
(3) Computer Systems Coordinator _____
(4) Duplicating Coordinator _____
(5) Duplicating Personnel _____
(6) Facilities Support _____

3. Supply System Players - Headquarters

A. Managing Director's Office (CMC)

(1) Managing Director's Representative (Mazur) _____
(2) Administrative Support Supervisor (Harrington) _____

B. Other Administrative Support Staff Work Areas

(Not Staffed for Drill)

C. Joint Information Center (Tupper)

(1) Director _____
(2) Secretary _____
(3) Spokesperson _____
(4) Technical Spokesperson _____
_____
(5) News Coordinating Team _____
(6) Assistant Director _____
(7) Production Team Supervisor _____
(8) JIC Production Team _____

(9) Distribution Team Supervisor _____

(10) Distribution Team _____

_____

_____

_____

(11) Information Manager _____

(12) Media Telephone Team Supervisor _____

(13) Media Telephone Team _____

_____

(14) Public Information Team Supervisor _____

(15) Public Information Team _____

_____

(16) Media Manager _____

(17) Support Manager _____

(18) Audio Visual Team _____

(19) Receptionist _____

(20) Security Staff _____

4. Benton/Franklin Counties Players

A. County Emergency Operations Center

	Name	Agency
(1) Decision Group		
a) Emergency Chairman	TBD	Co. Commiss
b) Benton County Sheriff	TBD	Sheriff B Co
c) Franklin County Sheriff	TBD	Sheriff F Co
d) EM Director	TBD	Emer Dir B Co
e) Health Officer	TBD	Health Dept
	TBD	
f) Public Information Officer	TBD	
(2) Implementation Group		
a) Implementation Coordinator	TBD	
b) Facility Representatives	TBD	

TBD - To Be Determined

		Name	Agency
c)	State DEM Representative	TBD	
d)	State Patrol Representative	TBD	
e)	Benton County Sheriff's Representatives	TBD	
f)	Franklin County Sheriff's Representative	TBD	
g)	City Police Representatives	TBD	
h)	Fire Coordinators	TBD	
i)	Health Department Representatives	TBD	
j)	Agriculture Rep.	TBD	
k)	Red Cross Representative	TBD	
		TBD	
l)	Emergency Management/ Transportation Coordinator	TBD	
m)	Receptionist/Message Controllers	TBD	
n)	Communications Director	TBD	

(3) Advice Group

a)	Benton County Commissioner	TBD	
b)	Franklin County Commissioner	TBD	

(4) Support Group

a)	Radio Operators	TBD	
b)	Messengers	TBD	
c)	Plotters	TBD	
d)	PIO Support	TBD	
e)	Dispatchers	TBD	

(5) Field Teams

a) Franklin County Sheriff Deputies	TBD	
b) Washington State Dept. of Game	TBD	
c) Pasco Bus Drivers	TBD	

(6) Liaison Group

a) On-site Bi-County Representatives at EOF	TBD TBD	
b) Benton County Sheriff's Representative at EOF	TBD	
c) Spokesperson at JIC	TBD	
d) Assistant Spokespersons at JIC	TBD TBD	

5. Washington State Players

A. County Emergency Operations Center

	Name	Agency
(1) State DEM Representative	TBD	DEM
(2) State Patrol Representative	TBD	

B. Supply System Emergency Operations Facility

	Name	Agency
(1) On-site Governor's Representative	TBD	
(2) Alt. On-site Governor's Rep.	TBD	
(3) Executive Secretary	TBD	
(4) DSHS Representatives to EOF	TBD	DSHS
	TBD	DSHS
(5) State Agriculture Representative to EOF	TBD	Agric

(6) Meteorology and Unified Dose Assessment Center Staff		
a) Protective Action Decision Group Member	TBD	DSHS
b) Field Team Coordination	TBD	DSHS
(7) Environmental Field Teams		
a) Team Captains	TBD	DSHS
b) Team Members	TBD	DSHS
	TBD	
	TBD	
	TBD	

C. Joint Information Center

	Name	Agency
(1) State Emergency Public Information Officer	TBD	
(2) State Alternate Emergency Public Information Officer	TBD	
(3) State EPIO Team Member		

D. State EOC

	Name	Agency
(1) DEM Director	TBD	DEM
(2) EOC Supervisor	TBD	DEM
(3) WEIC Manager	TBD	DEM
(4) Health Officer	TBD	DSHS
(5) Health Physicist	TBD	DSHS
(6) EFSEC Rep.	TBD	EFSEC/DSHS
(7) Coordinator	TBD	
(8) PIO Technicians	TBD	

	Name	Agency
(9) EFSEC Tech.	TBD	
(10) Communications Officer	TBD	
(11) Communications Supervisor	TBD	
(12) DEM Duty Officer	TBD	
	TBD	

6. Department of Energy

A. Supply System Emergency Operations Facility

(1) DOE Representative to EOF	TBD	DOE
(2) Meteorology and Unified Dose Assessment Center Staff		
a) Protective Action Decision Group Member	TBD	DOE
b) Field Team Coordination	TBD	
c) Field Team Dispatcher	TBD	
(3) Environmental Field Team		
a) Team Captain	TBD	
b) Team Members	TBD	
(4) Security Decision Center		
a) DOE Representative	TBD	DOE
b) DOE Assistant Representative	TBD	DOE
(5) DOE-RL	TBD	DOE
	TBD	DOE

B. Joint Information Center

(1) DOE Spokesperson	TBD	DOE
(2) DOE Assistant Spokesperson	TBD	Westing-Han

		Name	Agency
7.	BPA Representatives at EOF	TBD	BPA
8.	American Red Cross		
	A. ARC Lead Representative to JIC	TBD	ARC
	B. ARC Representatives to JIC Public Information Telephone Team	TBD	
		TBD	

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SECTION ID
EVALUATORS/CONTROLLERS
EXERCISE 90

1. Plant

a. Control Room (Simulator)

(1)	Scenario Controller (Lead)	JA Landon
(2)	Shift Manager Controller (Lead)*	TBD
(3)	Crew Controllers	TBD
		TBD
(4)	Simulator Controller/Programmer	TBD
(5)	GDS Controller/Programmer	ML Painter
(6)	Radiological Data Controller	PJ MacBeth
(7)	Real Control Room Controller	TBD

b. Operations Support Center

(1)	Emergency Center Controller (Lead)	Ken Hannah
(2)	Emergency Center Evaluator	Fred Klauss
(3)	Reentry Team Controllers (Lead)	TBD
	Mechanical	BM Olson
	Electrical	CD Mackaman
	I&C	KC Kirley
	HP	TBD
	HP	DH Meigs
	HP	Ms Valdez
(4)	PET Evaluator	HJ Fowler
(5)	Chemistry Controller	DL Mee

c. Technical Support Center

(1)	Emergency Center Controller/ Evaluator (Lead)	S Scammon
(2)	Technical Controller	TBD
(3)	Radiological Controller	TBD

*TBD - To be determined

d. Central Alarm Station

(1) Emergency Center Controller (Lead) DS Cornagey

(2) Dispatached Team Controller TBD

2. Emergency Operations Facility

a. Drill/Exercise Command Center (NRC Room)

(1) Drill/Exercise Director Ron Chitwood

(2) Drill/Exercise Lead Controller Bob Mogle

(3) Drill/Exercise Control Assistant TBD

b. Supply System Decision Center

(1) Emergency Center Controller/ Evaluator Yvonne Derrer

c. Security Decision Center

Emergency Center Controller TBD

d. EOF Communications Center

Emergency Center Controller TBD

e. Offsite Agency Coordination Center

Emergency Center Controller TBD

f. Technical Data Center

Emergency Center Controller Rick Wolfgramm

g. Meteorology and Unified Dose Assessment Center

(1)	Emergency Center Controller (Lead)		Vern Shockley
(2)	Dose Projection Evaluator		TBD
(3)	Field Team Control Evaluator		Cathy Card
(4)	Supply System Field Team Controllers	#1	RE Pohto
		#2	SJ Rejniak
		#3	TE Northstrom
(5)	State Field Team Controller		TBD
(6)	DOE-RL Contractor Field Team Controller		

h. Health Physics Center

Emergency Center Controller — TBD

3. Headquarters

a. Managing Director's Office — (Not staffed for Drill)

b. Other Administrative Support Staff Work Areas — (Not staffed for Drill)

c. Headquarters Communications Center — (Not staffed for Drill)

d. Joint Information Center

(1)	Emergency Center Controller (Lead)	Richard Romanelli
(2)	News Production Team Evaluator	TBD
(3)	Media Telephone Team Evaluator	TBD
(4)	Public Information Telephone Team Evaluator	TBD
(5)	News Briefing Evaluator	TBD

(6) Support Activities Evaluator — TBD

e. Exercise Control Cell

(1) Lead Controller — DH Mannion

(2) Telephone Query Controllers (JIC) — TBD; TBD; TBD; TBD; TBD; TBD

(3) NRC Response Controller — TBD

4. Benton/Franklin County Emergency Operations Center

A. Lead County EOC Controller* — TBD

B. Emergency Dispatch Controllers — FC TBD; BC TBD

C. EOC Evaluators — TBD

5. State Emergency Operations Center

A. Lead State EOC Controller — TBD

B. Decision Group Evaluator — TBD

SECTION IE
DEFINITIONS/ACRONYMS
EXERCISE 90

AFFF	Aqueous Film Forming Foam
AG	Agriculture, Department of Washington State
AAP	Alternate Access Point.
ARC	American Red Cross
ARM	Area Radiation Monitor
ATWS	Anticipated Transient Without Scram
B	Backup
BOP	Balance of Plant
BPA	Bonneville Power Administration
CAC	Containment Atmosphere Control
CAS	Central Alarm Station
CCTV	Closed Circuit Television
CEP	Containment Exhaust, Purge
Ci	Curie
CN	Containment Nitrogen (Inerting System)
CR	Control Room
CRD	Control Rod Drive
CSP	Containment Supply, Purge
CVB	Containment Vacuum Breaker
DBA	Design Basis Accident
DEM	Department of Emergency Management
DG	Diesel Generator
DGB	Diesel Generator Building
DOE	Department of Energy
DOT	Department of Transportation, Washington State
DSHS	Department of Social and Health Services, Washington State
DW	Drywell
EBS	Emergency Broadcast System
ECCS	Emergency Core Cooling System
EDPS	Emergency Dose Projection System
EFPD	Effective Full Power Days
EFSEC	Energy Facility Site Evaluation Council, Washington State
EO	Equipment Operator
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EOFCC	Emergency Operations Facility Communications Center
EPIO	Emergency Public Information Officer
EPIP	Emergency Plan Implementing Procedure
EPZ	Emergency Planning Zone
ERP	Elevated Release Point
EWAC	Emergency Worker/Assistance Center
FAX	Facsimile
FEMA	Federal Emergency Management Agency
FN	Fan
FRTS	Fire Remote Transfer Switch
GPM	Gallons Per Minute
H_2	Hydrogen
HCC	Headquarters Communication Center
HP	Health Physics
HPCS	High Pressure Core Spray

HVAC	Heating, Ventilation, and Air Conditioning
I&C	Instrumentation and Control
JIC	Joint Information Center
KI	Potassium Iodide Thyroid Blocking Agent
KV	Kilovolt
LLEA	Local Law Enforcement Agency
LOCA	Loss of Cooling Accident
LOOP	Loss of Offsite Power
L/O	Lockout (Circuit Breaker)
LPCI	Low Pressure Coolant Injection
LPCS	Low Pressure Core Spray
MREM	Millirem
MPF	Multipurpose Facility
MS	Main Steam (line)
MSIV	Main Steam Line Isolation Valve
MSS/RV	Main Steam Safety/Relief Valve
MUDAC	Meteorology and Unified Dose Assessment Center
NRC	Nuclear Regulatory Commission
N_2	Nitrogen
NS^4	Nuclear Steam Supply Shutoff System
O_2	Oxygen
OACC	Offsite Agency Coordination Center
OCB	Oil Circuit Breaker
OOS	Out of Service
OSC	Operations Support Center
PAD	Protective Action Decision
PAG	Protective Action Guide
PAP	Primary Access Point
PAR	Protective Action Recommendation
PASS	Post-Accident Sampling System
PED	Plant Emergency Director
PEO	Patrol (Hanford) Emergency Operations
PI	Pressure Indicator
PIO	Public Information Officer
PS	Pressure Switch
PSIG	Pounds Per Square Inch
PUD	Public Utility District
Quad	Quadrant, evacuation
RACES	Radio Amateur Civil Emergency Service
RB	Reactor Building
RCIC	Reactor Core Isolation Cooling
RCPB	Reactor Coolant Pressure Boundary
REA	Reactor Exhaust Air
REM	Radiological Emergency Manager
RFP	Reactor Feed Pump
RHR	Residual Heat Removal
RL	Richland Operations; Department of Energy
RM	Recovery Manager
ROA	Reactor Outside Air
RPM	Radiation Protection Manager
RPS	Reactor Protection System
RPV	RX Pressure Vessel
RRA	Reactor Recirculating Air
RW	Rad Waste Building

RX	Reactor
S	Startup
SAS	Secondary Alarm Station
SC	Suppression Chamber
SDC	Security Decision Center
SDV	Scram Discharge Volume
SECON	Security Condition
SFP	Spent Fuel Pit
SGTS	Standby Gas Treatment
SLC	Standby Liquid Control
SM	Shift Manager
SP	Suppression Pool
SSDC	Supply System Decision Center
SSW	Standby Service Water
TDC	Technical Data Center
TGB	Turbine Generator Building
TK	Tank
TR	Transformer
TSC	Technical Support Center
USCG	United States Coast Guard
V	Valve
VDC	Volts Direct Current
WC	Window Closed, Gamma, Radiation Detection Instrument
WEIC	Washington Emergency Information Center
WNP-2	Washington Nuclear Project Number 2
WO	Window Open, Beta and Gamma, Radiation Detection Instrument
WSP	Washington State Patrol
WW	Wetwell

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PART II

SCENARIO

EXERCISE '90

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SECTION IIA
SCENARIO SCRIPT

EXERCISE '90

This Exercise scenario involves a nominal 1.8% fuel and clad damage caused by a control rod drop accident. The accident is described in chapter 15 of the Final Safety Analysis Report (FSAR). The scenario consists of several non-related events in order to sequentially drive the WNP-2 Operating Organization through ascending Emergency Action Levels (EAL's).

The first event involves an emotional anti-nuclear demonstration outside the Protected Area fence, in the parking lot adjacent the Primary Access Point (PAP). Ultimately, one of the demonstrators manages to gain access to the Plant Protected Area. An ALERT classification is declared.

After the Alert is declared, an electrical fire will occur in the TSC. The fire does not cause severe damage, but does force a TSC relocation.

Some time later, the control-rod-drop accident and fuel damage occur. A Main Steam Line (MSL) ruptures in the Turbine Building and the MSIV's on the "A" MSL fail to isolate. Steam escapes the turbine building. The radioactive plume is driven towards zone 2, the farming area north of Pasco. An EAL of **GENERAL EMERGENCY** is declared based on an Exclusion Area Boundary (1.2 miles) projected thyroid dose in excess of 5 REM. Evacuation of Zone 2 will commence and evacuation of the Edwin Markham Elementary School by bus will be demonstrated.

The following major aspects, or objectives, will be evaluated:

- Security Contingency
- TSC Relocation
- Offsite Release (State/County)
- Radiation Monitoring: Collection/Analysis of Field Team Air Samples
- School Evacuation (Bus Demonstration only)

The scenario will open with the Plant in process of power ascension after having recently worked its way out of a Technical Specification Action Statement (TSAS) 3.0.3 shutdown due to an Equipment Qualification issue over electrical fusing. The fuses in question were proved to be qualified and the Plant restarted at 0000 hours. As we enter into the scenario, the plant is ascending through approximately 10% of rated thermal power (RTP) but with several other minor problems and/or short duration TSAS as listed below:

1) A minor steam leak on the high pressure throttle valve for the "A" Reactor Feed Water Drive Turbine, RFW-DT-1A.
2) The "C" Residual Heat Removal Pump, RHR-P-1C, is out of service

for maintenance. It will be returned to service by the mid-day meal break..
3) The Electrical Department is finishing up on replacement of electric strip heaters on the "A" Standby Gas Treatment, SGT-FU-1A.
4) The Rod Worth Minimizer is inoperative. In accordance with Technical Specifications, a second licensed operator is verifying control rod movement.

NOTE: This Scenario Script is not intended to be a Safeguards Document. In order to preclude compromising Supply System Security Safeguards, many details regarding the Plant Security System and Security Organization responses are dealt with either lightly or not at all within this script.

The first of the Exercise Scenario activities commence at 0800 hours the morning of Tuesday, September 11, 1990. An anti-nuclear activist group, "Friends Of Bivalves" ("FOB"), has staged a protest in the upper parking lot of WNP-2 located on the east side of the plant.
The protest is a 'planned, legal' demonstration. "FOB" applied for and received legal authorization from the County, after having located a 'friendly' magistrate and receiving a court order from the magistrate forcing the county to issue the permit. They have established a rallying point in the open area just to the north of the Visitor's Center. Attempts by Supply System management to obtain a restraining order preventing the demonstration on Supply System leased property have been of no avail, the property having been 'freely open to the public' for over 20 years. The demonstrators are well-identified, wearing shirts with the "FOB" logo and, additionally, carrying signs and posters with various anti-nuclear slogans. They also have a large, flatbed truck parked at the site of their demonstration. The truck has several signs on it but, more important to the Supply System management and to Supply System Security, has a reinforced ramming device attached to the front of the truck. The truck is parked in such a manner as for it to be very easy for the "FOB" activists to attempt to ram the truck through gate Two-Five (25), the sliding gate on the Protected Area (PA) fence immediately to the north of the Visitor's Center. As will be borne out by subsequent scenario development, the truck is nothing but a ploy upon which to focus the attention of the Plant Security Organization. Refer to Situational Data Sheet 9a for additional description about the group, their signs and the truck with ramming device. Chanting and demonstrations in the part of the parking lot described above go on for some time.

EXPECTED RESPONSE

The Plant Manager may or may not declare an EAL of UNUSUAL EVENT because of Situationally Based Initiating Conditions due to..."a security condition that threatens the security of the Plant and requires increased precautionary measures to be implemented by security". The declaration, or not, of the Unusual Event would be a judgement call on the part of the Plant Manager. It is not relevant to this scenario and may be carried out as 'free play'.

the RSCS is operating correctly up to the point that the operator selects the worst possible rods. The RSCS then fails allowing the drive to be fully withdrawn. For the drive to be fully withdrawn from under such high worth rods, the rod block function of the RSCS would have to fail. Significant shifts in spatial power generation occur during the course of the excursion. The positive reactivity added by the falling rods raises power to several time rated power which scrams the plant. At this point the energy added to the fuel heats it up producing negative Doppler feedback, which reduces power before rod motion begins. More succinctly, as is discussed later, the fuel suffers localized over-power and over-heat conditions before the reactor has a chance to automatically shutdown.

NOTE: Refer to Situational Data Sheet 9x for a tabularization or sequence of events listing dealing with this rod drop accident.

Design criteria for GE Boiling Water Reactors (BWR's) is such that a rod drop will not produce a peak fuel enthalpy above 280 calories per gram. The 280 cal/gm level is the point at which fuel dispersal (shattering and blowup) and pressure rise rates of 30 psi/sec occur. Although these enthalpies are above the clad failure threshold of 170 cal/gm, less than one percent of the fuel would become hotter than 170 cal/gm. Based upon this, an assumed failure of 770 fuel rods is used as the basis for radiological release in this scenario.

NOTE: Refer to Situational Data Sheet 9z for a discussion on the unliklihood of this accident's occurrence during the life of the plant.

The reactor protects itself as it scrams on high APRM flux (120% setpoint). A subsequent increase in the Main Steam Line (MSL) Radmonitors and the In-Containment LOCA monitors (due to shine off the RRC loops), indicative of fuel failure will soon follow.

NOTE: Fuel failure will occur from initial onset of cladding damage, until the Reactor Coolant inventory source term maximizes at slightly more than 2.2 E+3 uCi/cc.

EXPECTED RESPONSE

Upon the automatic scram, the CRO will verify scram and will insert a redundant manual scram per PPM 3.3.1. He will:

- Move the Mode Switch to S/D
- Depress the 4 scram pushbuttons
- Verify all APRM's downscale, and
- Verify all Control Rods full in.

Recognition on the part of the Operating Crew of rod drop should occur as they see the high flux scram and subsequent radmonitor increases.

This should lead them to conclude that potential fuel damage has occurred.

The damage will not be such that the MSL Radiation Monitors cause the Main Steam Isolation Valves (MSIV) to isolate immediately, although the Radmonitors will be quickly moving upscale. The Steam Jet Air Ejector radmonitor, OG-RE-2, high radiation alarm will come in and the Control Room Operator (CRO) will respond to the alarm and reference PPM ANN P602.A5-4.3. Shortly thereafter, a Main Steam Line Rad. High Alarm will annunciate. The CRO will respond to the alarm, reference PPM ANN P602.A5-1.3 and inform the CRS. He will monitor the MSL Radmonitors to verify increases.

NOTE: Only MS-RIS-610 A & C are modeled in the simulator...the "B" & "D" instruments must be covered by accessing the TDAS.

The Shift Manager/Control Room Supervisor may direct a manual isolation of the MSIV's upon recognition of the rapidly upscale trend of the MSL radmonitors. It is irrelevant whether or not he takes anticipatory action as at 0958 hours, only three minutes after the automatic scram, the MSL radmonitor setpoints will be reached and will actuate the 1-out-of-2-taken-twice MSIV isolation logic.

Due to multiple high radiation monitor alarms, the Shift Manager may declare an Unusual Event (UE) classification per PPM 13.1.1, Attachment "A", Situation Based Emergency Action Levels dealing with area radiation Hi-alarms. This states in part that "An area radiation Hi-alarm and an actual increasing or sustained Hi-alarm value confirmed by direct measurement except for transient conditions consistent with expected plant operations..." shall be an Unusual Event. It is doubtful that this notification or classification will occur, however, as subsequent events will overshadow this EAL. In addition, the plant should still be in ALERT status from the earlier security event.

SCENARIO CONTINUED

Regardless of whether or not the crew attempts to isolate the MSIV's immediately post-scram, as stated above at 0958 hours the isolation setpoint for the MSL Radmonitors will be reached and auto MSIV isolation will occur. All MSIV's will successfully isolate except for the Inboard and Outboard valves on the "A" MSL, MS-V-22A and MS-V-28A. The Inboard valve will fail to close at all (the red indicating light on P-602 will remain on and the green light off). The Outboard valve will show itself as partially closed (both red and green lights on P-602 illuminated).

EXPECTED RESPONSE

Based upon the failure of the MSL to isolate, it is not anticipated the crew will attempt to, at this time, go to emergency depressurization, nor to HPCS or RCIC. The operating crew will commence a controlled pressure reduction using the DEH Controller in conjunction with the Main Steam Bypass Valves to the Main Condenser. Normal feed will be maintained from the Condensate and Feed Water systems. The Shift Manager will commence to declare an EAL of ALERT based on the

- All Supply System Emergency Centers, with the exception of the JIC, will be allowed to 'stand down' during this period and the Simulator may be placed on 'freeze'.
- Additionally, the OSC will be required to maintain personnel accountability staff in place during the evacuation.
- Lastly, each center will be required to maintain at least one player and one Controller in place, however, to provide 'control cell' communications functions, if needed, with offsite agencies.
- Refer to Situational Data Sheet 9d for more details on this recess.
- Transportation will be provided by Exercise Controller Management.

If the TSC Director does not take action to evacuate &/or relocate the Technical Support Center by 0930 hours, then the TSC Lead Controller is to give him a default evacuation message in accordance with message number 3.

There is a step in PPM 13.10.3 requiring the TSC Director to request the Control Room to isolate between TSC and Control Room HVAC if airborne activity problems are identified in the TSC. Although the PPM does not specifically require this step to be implemented for fires, the TSC Director will probably request the Control Room staff to isolate the TSC HVAC from the Control Room as a precautionary move. The details for this are located in PPM 4.10.3.1, Abnormal Response Procedure for Control Room HVAC High Radiation or Chlorine Induction.

The PED will declare an EAL of UNUSUAL EVENT, although this will be 'redundant' as the Plant should still be continuing in an ALERT EAL due to the potential for an ongoing security compromise.

IF the TSC Director decides to relocate non-key TSC staff to the Plant Support Facility (eg -- to the Technical Decision Center [TDC]), then it will be his responsibility to obtain transportation and to transport those personnel in 'real time' rather than during the '30-Minute Recess'.

At the time of the fire, the on-duty Shift Support Supervisor (SSS) and Equipment Operators (EO) should be in the OSC in accordance with PPM 13.10.9, OSC Operations and Director Duties. The SSS and EO's, in their role as Plant Fire Brigade will be dispatched to the TSC. The Fire Brigade, upon arrival, will find that the fire has expended itself. Any subsequent investigation by them will show damage was limited to the electrical panels earlier referred to. There will be little, if anything, for the Fire Brigade to perform. Refer to Situational Data Sheet 9e for Fire Brigade damage findings.

It is expected that the Hanford Fire Department will be contacted by the Shift Manager/Control Room Supervisor upon automatic fire alarm actuation and/or recognition of the fire. There is a possibility, depending upon interplay between the TSC and the CR (Sim) that the call may not be placed.

If the call is placed, HFD will respond automatically. Actual response by HFD will be simulated (HFD will not participate). A Control Cell will provide verbal response to the call from the Control Room. Refer

to Situational Data Sheet 9f for this contingent response.
As the OSC is already manned, as previously stated, a call should go out from the TSC/CR (after relocation) for the OSC to form up a Reentry Team to evaluate and repair the damage to the electrical gear in the TSC. Refer to Situational Data Sheet 9 g for OSC Reentry Team details.

NOTE: The decision made and subsequent steps taken to evacuate the TSC should occur between 0920 and 0930 hours. In accordance with the '30 Minute Recess' note on the previous page, the Time-Line for the Exercise will now (for descriptive purposes) jump to 0955 hours in this scenario script.

SCENARIO CONTINUED

Earlier, at approximately 0830 hours, the Plant Manager will have been contacted by the Head of BPA and notified that BPA must take most of its generating capacity at the Grand Coulee off-line by 1600 hours in order to perform emergency washdown of the high voltage line insulators at the dam. They had been, a few days prior, subjected to a heavy coating of dirt in a dust storm. Long Range weather predictions are for severe rainstorms in the area of the dam and BPA is concerned that wetting of the dirt on the insulators will provide a ground path with subsequent damage to the transmission system and/or generators at the dam. The BPA head will recognize that the WNP-2 Plant is in-process of recovering from the TSAS 3.0.3 shutdown, but will insist that the WNP-2 Plant Manager ascend in power with "all haste". This message will be delivered by a Control Cell. Refer to Message Data Sheet 2 for details on this message.

By 0955 hours, the Plant will be at approximately 17% power and increasing. The operating staff on duty in the Control Room will be in process of withdrawing rods. A Control Rod Drop Accident occurs. The control rod drop accident is the result of an event in which a high worth control rod is inserted out-of-sequence into the core. Subsequently, it becomes decoupled from its drive mechanism. The mechanism is withdrawn, but the decoupled control rod remains stuck in place within the core. In the case we will use in this Scenario, two control rods become decoupled and subsequently drop. It is necessary to do this in order to effect a clad damage of 1.8%. At the optimum moment, 0955 hours, the first control rod suddenly falls free and drops out of the core. The blade falls at 3.11 ft/sec which is the measured speed with the velocity limiter in place as opposed to a coupled withdraw speed of 3 in/sec. The resultant removal of large negative reactivity from the core causes a localized power excursion. The excursion dislodges the second rod, causing yet another power excursion. Due to the rapidity with which this occurs, the double excursion will appear as if it is one. Shutdown mechanisms operate and the plant is scrammed. The initial rod pattern assumes a single operator error and Rod Sequence Control System (RSCS) malfunction which allows the worst possible rods to be fully withdrawn. This is equivalent to postulating

SCENARIO CONTINUED

At 0827 hours a group of three "FOB" activists, not previously at the demonstration, approach the parking lot from the Power Plant Loop Road. They cross the RxR crossing by the Water Filtration Building. They are driving a pickup truck with a ladder in the back. They waste no time crossing the tracks and drive towards the Primary Access Point (Guardhouse). Just prior to reaching the Guardhouse, they stop their truck by gate Two-Nine (29). They lean the ladder against the Protected Area Fence near gate 29. One of their number climbs the ladder, crosses the fence and gains access to the Protected Area. Actual ladder movement and climbing activities will be simulated. The intrusion will be immediately detected by the Central Alarm Station (A Controller will provide input to the CAS regarding the alarm) and Security Force personnel will respond. It is, additionally, possible that the entry will be visually observed either by Security personnel or by Plant workers (If Controllers observe any personnel in the area during the simulated fence climbing, they will tell the personnel what they are 'seeing')...free play in this will be allowed. Security Force responders, upon receiving direction from the CAS, will find the intruder marching around inside the PA carrying a sign with an anti-nuclear slogan. A pre-positioned Role-Player will actually be performing these activities. The intruder will not have caused any damage to Plant property. The intruder will freely state that his intent in entering the Protected Area is to "cause as much damage as possible." Refer to Situational Data Sheet 9b for more details on this activity.

EXPECTED RESPONSE

The Security Force will immediately detain the intruder. Security will notify the Plant Manager and/or the Shift Manager of the intrusion and subsequent detention of the "FOB" person. The Plant Manager/Shift Manager upon reference to Plant Procedure PPM 13.1.1, Classifying the Emergency, will declare an EAL of ALERT because of Situationally Based Initiating Conditions due to "Ongoing Security Compromise requiring additional support...Visual observation of unidentified/unauthorized persons in a vital or protected area with an intent to commit sabotage".

SCENARIO CONTINUED

In accordance with Emergency Plan Implementing Procedures (commonly referred to as EPIP's or Volume 13 PPM's), upon declaration of an ALERT, all Plant Emergency Centers activate, including the Technical Support Center. The TSC will be allowed to activate normally in accordance with PPM 13.10.3, "TSC Operations and TSC Director Duties".

Assuming that the ALERT is declared by no later than 0845 hours, the TSC should be in at least a partial state of activation by 0900 hours. Based upon this, at 0910 hours an electrical fire will occur in the TSC. The fire will involve TSC lighting and electrical outlets.

Specifically, the fire will affect the following electrical gear:

- o MC-7AB located in the Mechanical Equipment Room on the north wall, and (indirectly)
- o TR-TSC-2 located in the Auxiliaries Room on the south wall.

The transformer, which supplies power to the RamTek and other computers and monitors in the TSC, will fail concurrently with the fire in MC-7AB. This transformer tends to run hot during normal operation and it would not be considered unlikely to have it fail during a fire affecting adjacent circuits. The transformer is fed directly by SL-71. A few minutes prior to the fire and transformer failure, at 0908 hours, the CR will receive a ground indication from SL-71.

When the fire occurs, the Mechanical HVAC room at the south end of the TSC will fill with smoke, with a small amount of smoke entering into the TSC itself as the Motor Control Center burns. More importantly, all normal lighting and 110 VAC wall outlet power will be lost in the TSC, as well as in the adjacent Alternate Health Physics Access Control. Ni-Cad battery backed emergency lighting will prevent the TSC from becoming totally plunged into darkness. The sole direct indication in the CR (Sim) will be a fire alarm received on FCP-1, drop 5-5 indicating a fire in the TSC.

When wall outlet power is lost, all computer monitor screens in the TSC will go dark. The monitors themselves will still be functional, as well as the computer main frames, but the TSC staff will be unable to use the monitors with the screens darkened. Additionally all speaker phones, the fax machine and the two-way radio in the TSC will become non-functional upon loss of wall outlet power. Refer to Situational Data Sheet 9c for more details.

EXPECTED RESPONSE

Due to the fire and subsequent loss of lighting, computer monitoring and communications in the TSC, it would be obvious that the TSC would be severely degraded in its capability to support any plant emergency activity. The TSC Director will evacuate the TSC in accordance with PPM 13.10.3, TSC Operations and Director Duties. Key Technical Staff will be evacuated to the Control Room and less critical personnel to either the OSC or to the Plant Support Facility as decided by the TSC Director.

NOTE: As this is an Exercise, instead of a real event, the Operator Training Simulator is taking the place of the Control Room. The Simulator is physically located in the Plant Support Facility (PSF) building approximately ¼ mile to the west of the Plant Protected Area. The key TSC staff will be evacuated to the Simulator at the PSF. In a real event, evacuation from the TSC to the Control Room would take approximately 3 minutes. Due to the distance involved and the complexity in moving personnel out of the TSC, out through the PAP on the east side of the Plant to the parking lot and then providing transportation to the PSF, a 30 minute recess from the Exercise will take place at this point in time.

elevations. At the same time, the Fire protection pumps in the Circulating Water Pumphouse begin to sequence on. For the sake of Drill simplicity, the different Wet Pipe, Deluge and Preaction Systems as well as the Fire pumps initiate in two (2) separate groupings a few minutes apart. The sequence is listed below as alarms received on the Fire Control Panels in the Control Room:

FIRST SEQUENCE ("A" & "C"

On FCP-1
-TG Bldg, El. 501, Col A-D & 6-13, D-H & 7-13
On FCP-2
-Preaction System 67, TG Bldg El. 501, TG Bearings
On FCP-3
-FP-P-2A Pump Running
-FP-P-2B Pump Running

SECOND SEQUENCE ("B")

On FCP-1
-TG Bldg, El. 471, Col A-H & 6-13, E-H & 4-6
On FCP-2
-Deluge Spray Sys 56, TG Bldg El. 471, Col 6-13 & A-C
-Wet Pipe Sys 8, TG Bldg El. 471, Heater Area
On FCP-3
-Standard Alarm Fire Cont Sys Trouble
-Functional Alarm Fire Cont Sys Trouble

NOTE: Refer to Situational Data Sheet 9h for limited, partial outlines of the Control Room Fire Control Alarm Panels showing which alarms activate.

o TURBINE BUILDING LIGHTING is affected by the dense steam cloud. Most of the lighting fastened to the 572' elevation roof of the TG Building at the East end, illuminating the 501' elevation, is extinguished. The 572' elevation lighting at the west end of the buiding is unaffected. The 501' elevation at the east end becomes quite dim. Lighting on the 471' elevation at the East end of the TG Building is extinguished in the Heater Bay. Most lighting elsewhere within the TG Building is intact.

The Turbine Building rapidly fills with a volume of steam. A "Mixing Volume" of 3.58 E+6 cubic feet is assumed for the TG Building. Initial steam flow into the TG Building for the first minute after the Main Steam Line rupture is 1.79 E+5 lb-m/hr, or 3,000 lb-m/min. One pound of steam at atmospheric pressure occupies a volume of 26.799 cubic feet.

$(3{,}000\ \frac{\text{lb-m}}{\text{min}})(26.799\ \frac{\text{cu ft}}{\text{lb}}) = 80{,}397$ cu ft/min stm flow into TG Bldg.

Assuming an exhaust flow of 265,000 CFM from the Turbine Building Exhaust Duct, it is obvious the building would never 'fill-up' with steam. The above mathematical 'Model' is somewhat loosely depicted as it does not allow for initial condensation of the escaping steam onto cooler Turbine Building and machinery surfaces, nor does it integrate

the rapid drop in steam flow over the next few minutes..

****

Now, returning to the main storyline:
A substantial offsite dose is released almost immediately (The total steam transport time from the broken MSL to the TG Bldg Exhaust Plenum is estimated to be 30 seconds). The wind is blowing steadily from the northwest at 3 MPH, with a Stability Class of "E". The Turbine Building Exhaust Radmonitors, TEA-RIS-13/13A will come upscale. The intermediate range monitor, TEA-RIS-13A, after a brief surge in excess of 25 PMU's will ultimately peak out at approximately 18 PMU's.

EXPECTED RESPONSE

As the above radiation monitors go into an alarm state, the Shift Technical Advisor (STA) should begin performing calculations on the EMERGENCY Dose Projection System (EDPS).

> **NOTE:** There are several possible potential responses at this point...The MUDAC should still be activated from the earlier Security incident, but may have been told to 'stand down'. IF the MUDAC is still activated, they may or may not have control of the EDPS switched to MUDAC. If EDPS is in MUDAC control, it is likely the STA may have to perform his calculations using the 'Predict' method vice actual data method. If MUDAC is fortunate enough to be monitoring Plant data at the precise moment of the release, they may commence calculations and arrive at results prior to the STA doing so. In short, all radiation data controllers/evaluators should be prepared for multiple activity paths during this iteration.

The results from EDPS should be available within 20 minutes (Say by 1030 hours) if using the main EDPS. If using the Backup EDPS/TRS-80 computer, then the results should be available within 5-7 minutes (Say by 1017 hours). Based upon EDPS results, the STA should recommend to the PED that an ECL of **GENERAL EMERGENCY** be declared due to an estimated dose of GT 5 rem to the thyroid at the Exclusion Area Boundary (1.2 miles). (Actual estimated thyroid dose will be in excess of 19 Rem at the Exclusion Area Boundary. Estimated Whole Body Dose will be 0.067 Rem.)
The STA will arrive at this calculational estimate by using the intermediate range monitor for the Turbine Generator Building Exhaust (TEA-RIS-13A). It will be reading in the order of 16½ PMU's for the first fifteen or so minutes after the rupture. Refer to General Data Sheets in Tab 3 for details on radiation monitors.
The SM/PED will declare an EAL of **GENERAL EMERGENCY** per PPM 13.1.1 in accordance with the criteria in Attachment "A" of the PPM regarding Exclusion Area Boundary dose rates and will commence making the required notifications per PPM 13.4.1 within 15 minutes of classification. The SM/CRS will contact the Shift Support Supervisor (SSS) to inform him of the indications of failed fuel, TGB radiation alarms and TGB fire

alarms. The SSS will be requested/directed to obtain HP assistance and to investigate the situation in the Turbine Building.
Once the MSL rupture occurs, condenser vacuum (and thus, the heat sink) will quickly be lost. Consequently, the SM/CRS will direct the Operating Crew to commence emergency depressurization in accordance with PPM volume 5 Emergency Operating Procedures.
The SM/PED will direct all unnecessary personnel to leave the TGB and an immediate or controlled evacuation of the protected area per PPM 13.5.1 or PPM 13.5.2.

> NOTE: Actual evacuations will be simulated. There is no objective nor requirement to perform real evacuations in this exercise.

The SM/CRS should notify HP regarding fuel failure and increasing Turbine Building ARM and TGB Exhaust Vent Radiation readings. The SM/CRS should request HP survey the TGB and request grab samples of the TGB exhaust. Additionally, the SM/CRS should contact Plant Chemistry to request they sample reactor coolant, along with gaseous grab samples including charcoal and particulate samples for offsite dose calculation input.

As the TSC staff becomes cognizant of the overall problems at hand, it will occur to them that PASS samples should be taken. Not only should a reactor coolant PASS sample be taken, but also, a containment air PASS sample. They will request this of the OSC. The Chemistry Reentry Team, described above, will divert from taking normal samples per their volume 12 procedures to taking PASS samples in support of PPM 9.3.22, Evaluating Core Damage. The containment air sample will show no increase in air activity. The reactor coolant sample will show an approximate 1.8% clad damage as was discussed earlier.

> NOTE: PASS sampling is not an objective in this Exercise and will be simulated. i.e. - Results will be given to the Chemistry Reentry Team after they have formed up, simulated taking and analyzing a PASS sample. Results data is not a part of this scenario package and will be developed separately prior to the date of the Exercise.

The TSC will be expected to direct the OSC to form a Reentry Team to take action to stop the uncontrolled steam leak. Although the TSC could be expected to direct the OSC to perform this as early as 1030 hours, It would not be reasonable to expect a Reentry Team to perform any meaningful work in the steam tunnel until about 1200 hours due to radiation doses. Refer to General Data Sheet 4m, Steam Tunnel Radiation Data, for details about radiation levels there.
The following actions might be expected to be performed by the Control Room and/or the OSC in an attempt to close the MSIV's:

- o Manually close the valves from the Remote Manual Switches (RMS) on P-602.
- o Isolate and bleed off the air supply to the outboard MSIV, MS-V-28A.

o Isolate and bleed off the nitrogen supply to the inboard MSIV, MS-V-22A.
o Deenergize the electrical supply to the solenoid valves associated with the air/nitrogen supplies to each MSIV.
o Form a Reentry Team to make a Main Steam Tunnel entry to attempt to determine the reason why, at least, the Outboard valve will not close.
o Form a Reentry Team to jack-closed the outboard MSIV using a strongback arrangement in conjunction with hydraulic 'Power-Paks'.

Only the last activity jacking the stuck valve closed will be effective in isolating the Main Steam line and thus terminating the leak. Major onsite objectives should be complete by about 1400 hours, allowing termination of onsite play. Should the OSC not be effective in closing the MSIV, it will be 'Defaulted' closed at 1400 hours to force culmination of Exercise activities within the Plant. Offsite play will continue until approximately 1600 hours as is discussed below.

SCENARIO CONTINUED

As earlier stated, the Wind will be blowing from the northwest at 300 degrees at a speed of 3 miles per hour and a stability class of "E". The plume will be blown across the Columbia River into Franklin County. No population will be exposed to the plume until it does cross into Franklin County. The nearest population, across the river on a compass heading of 120 degrees (the plume travel), is approximately 4½ miles from WNP-2. The plume will continue on towards and past Edwin Markham Elementary School, located at the intersection of Taylor Flats and Elm Roads, about 6.3 miles from the plume release point.
The estimated Thyroid Dose Rate for the plume will drop off relatively rapidly as reactor pressure drops, thus removing driving force for the steam leak. A brief tabularization of times vs estimated Thyroid Dose , as well as Whole Body Dose, at the 1.2 Mile Site Boundary is provided below. Refer to General Data Sheets in tabs 5 & 7 for details.

1.2 MILE SITE BOUNDARY DOSES

TIME	EST. THYROID DOSE	WHOLE BODY DOSE
1010-1025 hrs	9.8 Rem	0.044 Rem
1026-1040 hrs	5.0 Rem	0.019 Rem
1041-1055 hrs	2.3 Rem	0.007 Rem
1056-1110 hrs	1.1 Rem	0.004 Rem
1111-1140 hrs	0.7 Rem	0.002 Rem
1141-1210 hrs	0.1 Rem	0.0003 Rem
1211-1310 hrs	0.03 Rem	0 Rem

The sum, or total dose at the 1.2 mile boundary will be in the order of 19.2 Rem (estimated) Thyroid and 67 mR Whole Body for the duration of the Exercise accident. Co-incidentally, the total doses at the 5 mile boundary will be in the order of 8.4 Rem (estimated) Thyroid and 33 mR

symptomatic initiating condition of, in accordance with attachment "B" of PPM 13.1.1 that states in part that an ALERT shall be declared for "...MSIV closure logic met, but both inboard and outboard valves on one or more lines fail to close".

SCENARIO CONTINUED

Once the controlled depressurization via the MS Bypass is begun, another casualty will be placed in front of the crew. At 1010 hours the "A" MSL will suffer a massive rupture underneath the High Pressure Turbine on the 471' elevation. The Control Room crew will recognize potential problems as the Reactor level surges upscale high. If the scram has not been reset, they will get another, immediate, scram based on reactor high water level. Additionally, the steam flow thru the stuck open MSIV's will show high flow, in excess of 75% of rated. Lastly, the Turbine Bldg ARM's start to ramp up as steam begins to fill the Turbine Building. Operation's recognition of the problem will be reinforced by almost immediate Fire Protection alarms in the Turbine Building.

NOTE: None of the Turbine Generator Building ARM's are displayed on the Graphic Display System (GDS). TGB ARM readings are available only in the Control Room (Simulator) to Control Room (Simulator) personnel.

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At this time, we will temporarily depart from the scenario story line in order to discuss the bases of the effects of a large (Main Steam Line) steam leak into the Turbine Building:

Results from MSL "A" rupturing and allowing Reactor steam to vent into the Turbine Bldg are twofold; The moisture and thermal content of the steam provide one set of conditions, while the source term provides another set of conditions. Again, as earlier stated, the Reactor has experienced an approximate 1.8% Cladding failure. As primary steam escapes into the Turbine building, the following radiation monitors begin to respond

- o ARM-14 located on the 501' elevation of the TG Bldg will immediately go off scale.
- o ARM-15 located in the SE 441' el. of the TG Bldg
  ARM-16 located in the "A" RFW pump room,
  ARM-17 located in the "B" RFW pump room, and
  ARM-18 located in the Cond. pump area, 441' el.

will all begin to come upscale.

NOTE: Refer to the Data sheets 3a & 3b, "Fixed Radiation Monitor Introduction" and ""Fixed Monitor Readings - Alarm Hi Start/Stop Time" in Part IIF of the Exercise package for more details on these ARM's and other radmonitors.

- o TEA-RIS-13, Turbine Bldg. Noble gas Effluent Monitor and TEA-RIS-13A, Turbine Bldg Intermediate Range Monitor, respond in the following manner -

TEA-RIS-13, a beta scintillator in a gas chamber located in sample

rack 38 analyzes the normal Turbine Bldg gaseous effluents. A sample of the release duct is taken in an isokinetic condition. The log scale on the front of the RIS unit is the RIS response to Xe^{133} relating CPM to uCi/cc in the stream. The sensitivity of the unit is 4.7 E+7 CPM/uCi/cc. The RIS will immediately, upon sensing the noble gases contained in the escaping steam, will increase above the Hi-Hi Alarm setpoint of 3460 CPM. The Low Range Monitor will continue to monitor the Turbine Building air and will go off scale at 10E7 cpm. The Intermediate Range monitor, TEA-RIS-13A, operating in series with RIS-13, monitors the waste stream when RIS-13 goes off scale.
The Hi-Hi alarm illuminates two red lights on the RIS readout on RAD BD 24 and initiates a "TURB BLDG EXH DUCT HI RAD" alarm on P602.

TEA-RIS-13A, like RIS-13, is a Beta scintillator housed in a shielded gas chamber. The recorder, REA-RR-19A, records not only the TG building effluent, but also the effluent for the Reactor building and Radwaste building intermediate detectors.

> NOTE: TEA-RIS-13A DOES NOT ALARM (has no alarm function). This intermediate range RIS provides indication only...Refer to the Master Data Sheet on TEA-RIS-13A. Additionally TEA-RIS-13 DOES NOT ISOLATE on a HI-HI RAD alarm.

The intermediate range monitor will be reading 1.3 Panel Meter Units (PMU) until the MSL ruptures, due to a light emitting diode designed to keep it onscale. a minute after MSL rupture it will go upscale in excess of 25 PMU's and will then trend downwards over the next 1½ hours as steam pressure in the Reactor decreases leak driving force.

o TRA-RE-1, the Turbine Bldg In-Plant Air Particulate Radiation Monitor is a Beta scintillator located in the Turbine Bldg. ventilation exhaust just before the ventilation exhaust plenum. The recorder for this RE is located on RAD BD 24 and has a full scale of 100,000 CPM. The RE will ramp upscale approximately 2 minutes after the MSL ruptures and will remain upscale for about 2 hours, or until the Drill Players manage to isolate the uncontrolled steam path, whichever comes first. The alarm from TRA-RE-1 will be redundant to other alarms emanating earlier from RAD BD 24.

Returning to the discussion on results of Reactor steam leaking into the Turbine Bldg, the following equipment is affected by the thermal and moisture content of the steam cloud:

o FIRE PROTECTION SYSTEMS in the Turbine Bldg begin to sequentially actuate, beginning with those systems closest to the steam line rupture and on the higher elevations and ending with those systems further away from the leak or on the lower

Whole Body.
As can be seen from the preceeding, little meaningful exposure will be released from the plant after 1200 hours. Past noon, the release rate from the TG Building H&V Exhaust vent will, effectively, 'flat-line' at about 4 Curies/hour of iodine and 34 Curies/hour noble gases. Due to the low wind speed, and subsequent lag time for doses to reach populous areas, field team and off-site agency play will continue on into the mid-afternoon.

EXPECTED RESPONSE

Centers in the Emergency Offsite Facility (EOF) will already be in an activated status from the first declaration of ALERT due to the Plant Security compromise. The Meteorological Unified Dose Assessment Center (MUDAC) will be performing dose estimates in parallel with the Shift Technical Advisor. Upon realization on the part of the MUDAC of the severity of the release, they will immediately dispatch field sampling teams to track the plume and to verify dose rate estimates.
The joint Benton-Franklin County DEM's will commence PAD's. A School Bus will be dispatched to Edwin Markham School to demonstrate the capability to evacuate that school. Evacuation of the school will be simulated rather than actually occurring. Offsite objectives should be complete and play should be terminated by 1600 hours.
Upon demonstration of or actual completion of major Exercise objectives, the Exercise will be terminated.

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SCENARIO SIGN OFF

EXERCISE 1990

The scenario for this exercise is approved for conduct as written and scheduled.

WNP-2 Plant Manager	Date
Assistant Managing Director for Operations	Date
Manager, Support Services	Date
Assistant Director of Community Development, Department of Emergency Management. State of Washington	Date
Director, Benton County Emergency Management	Date
Director, Franklin County Department of Emergency Management	Date
Manager, Richland Operations Office U.S. Department of Energy	Date

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SECTION IIC
TIME-LINE SUMMARY
EXERCISE '90

TIME	ACTIVITY DESCRIPTION
0700	- Start of Data Generation.
0730	- Drill Start Announcement. - Plant is at 10% power and is ascending after exiting TSAS 3.0.3 on fuses.
0800	- Friends Of Bivalves anti-nuclear group stages a legal demonstration in front of the Plant.
0815	- Plant Manager may, possibly, declare an EAL of Unusual Event due to the "FOB" demonstration.
0827	- Three "FOB" activists approach plant in a pickup truck. - With assistance from his cohorts, one of the three activists gains access to the Protected Area by climbing the security fence.
0830	- The head of BPA calls the Plant Manager to inform him of pending shutdown of the Grand Coulee for emergency preventive maintenance. BPA will insist that the Supply System bring WNP-2 to full power as quickly as possible. - Security Force detains the trespasser. - The detained activist spouts anti-nuclear propaganda to Security and vows to cause as much damage as possible via acts of trespass. - Security Force Lieutenant notifies Plant Manager of the trespass.
0840	- Plant Manager declares an EAL of ALERT because of the security compromise caused by the trespassing activist.
0850	- Emergency Center activation commences as responding personnel arrive.
0855	- DEFAULT MESSAGE to declare an ALERT due to the Security incident if Plant fails to do so earlier.
0910	- Electrical fire occurs in the electrical & HVAC Apparatus room at south end of Technical Support Center. - All 110 VAC power to the TSC is lost with subsequent loss of lighting, computer monitors, fax, two-way radio, etc.

0910 (cont'd) - Plant Fire Brigade notified to respond.
- Hanford Fire Department notification made.

0920 - Fire Brigade should have arrived on scene. They will find substantial damage to lighting panels, but will find no active fire.
- TSC Director should make the decision to relocate TSC staff.

0940 - DEFAULT MESSAGE to relocate the TSC if TSC Director fails to do so earlier.

A 30 MINUTE RECESS WILL OCCUR WHILE KEY TSC STAFF ARE RELOCATED TO THE SIMULATOR IN THE PLANT SUPPORT FACILITY

Need to Discuss

0955 - The plant is at, nominally, 17% power and control rods are being pulled to increase power level.
- A **Control Rod Drop Accident** occurs.
- The plant automatically scrams on 120% APRM hi-flux.
- The Operating Crew in the Control Room (Simulator) implements Reactor Scram and Scram Recovery procedures.
- MSL, in-containment LOCA and SJAE radmonitors subsequently commence a rise, indicative of potential fuel damage.
- The SM/CRS may decide to isolate the MSIV's in anticipation of the upward MSL radmonitor trend.
- The SM may decide to declare an EAL of **Unusual Event** due to radiation monitors alarming.

0958 - MSL Radmonitors, MS-RIS-610A thru D, high setpoint logic for MSIV isolation is satisfied.
- The Inboard/Outboard MSIV's on the "A" MSL, MS-V-22A & 28A, do not fully isolate.

1000 - The SM will declare an EAL of **ALERT** due to failure of the "A" MSL MSIV's to close.
- The SM/CRS will direct a controlled depressurization of the reactor via the MS bypass valves.

1010 - The "A" MSL ruptures in the Turbine Building on the 471' elevation under the HP Turbine.
- Turbine Building ARM's and Building H&V Exhaust Vent radmonitor alarm.
- Turbine Building Fire Protection alarms and deluge systems actuate due to the heat from the steam cloud.

1012 - The SM/Operating Crew evaluate control room (simulator) data and:
1) The STA will commence EDPS calculations and,
2) The SM/CRS will notify HP regarding fuel failure, TG radmonitor readings and will request HP survey of the TGB and TGB H&V Exhaust grab samples.

1012 (cont'd)	3) The SM/CRS will contact Chemistry requesting reactor coolant and gaseous grab samples.
1020	- TSC, upon evaluation, will request PASS samples, be taken by the OSC (PASS sampling is not an Exercise Objective).
1017-1030	- The STA (or MUDAC) will report the results of EDPS calculations to the SM/PED and will recommend an EAL of General Emergency be declared based on an estimated dose rate in excess of 5 Rem to the Thyroid at the 1.2 mile Exclusion Area Boundary. - The PED will declare an EAL of GENERAL EMERGENCY.
1030	- TSC will direct OSC to form up a Reentry Team to attempt MSIV closure. - The leading edge of the radioactive plume escaping from the TG Building crosses over the 1.2 mile Exclusion Area Boundary.
1040	County DEM's should be activated and commence making public announcements and PAD's.
1045	- DEFAULT MESSAGE to declare a GENERAL EMERGENCY if the PED fails to do so earlier. - A Chemistry Reentry Team will commence PASS sampling Reactor coolant and containment atmosphere. - OSC will commence locating tools and drawings to attempt to close the outboard MSIV.
1115	- A Maintenance Reentry Team will muster at the entrance to the steam tunnel to attempt MSIV entry.
1120	- A school bus should be dispatched (to demonstrate the capability) to evacuate Edwin Markham Elementary School.
1150	- The leading edge of the radioactive plume crosses over the 5 mile EPZ boundary.
1215	- The leading edge of the radioactive plume arrives at Edwin Markham Elementary School.
1400	- Default message to close the MSIV's if the Reentry Team has not been effective.
1430	- In-Plant Exercise activities terminated. Players to fill out After-Action Reports.
1600	- Ex-Plant Exercise activities terminated.
1630	- Exercise Terminated.

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SECTION IIE
MESSAGE INDEX
EXERCISE '90

MESSAGE NUMBER	ITEM
1	Exercise Start Announcement
2	Head of BPA to Plant Manager
3	DEFAULT to declare an ALERT because of the Security Incident
4	DEFAULT to relocate the TSC due to the fire
5	DEFAULT to declare a GENERAL EMERGENCY due to high offsite radiological releases
6	DEFAULT on MSIV's drifting closed
7	Exercise Termination

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:			
1	REAL 0730	☐ AM ☐ PM	DRILL 0030	HOURS

CONTROLLER LOCATION: Simulator

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Control Room Supervisor

MESSAGE FROM: Lead Simulator Controller

MESSAGE:

The Exercise start conditions are as per the General Data sheets which I have recently given you and which we have gone over.

Please make the following announcement on the Plant PA:

"THIS IS AN EXERCISE.
THIS IS AN EXERCISE.

Exercise '90 is now in progress. Personnel not identified as participants in the Exercise should continue with their normal work schedule.

THIS IS AN EXERCISE.
THIS IS AN EXERCISE."

REFERENCE GENERAL DATA SHEETS _____

FOR CONTROLLER USE ONLY

Simulator Controller:

- o Assure the CR communication master switch has given the simulator control.
- o You may give this entire sheet to the Control Room Supervisor.
- o Have this PA announcement repeated approximately every hour.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO. EXERCISE '90 | PAGE ____ of ____

DATES TO MESSAGE NO. 1 | TIME: REAL 0730 ☐AM ☐PM | DRILL 0030 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
CRS	Simulator	makes an announcement on the Plant PA as per the message on the preceeding page.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:			
2	REAL 0830	☐ AM ☐ PM	DRILL 0130	HOUR

CONTROLLER LOCATION: TSC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Plant Manager

MESSAGE FROM: Lead TSC Controller

MESSAGE:

"This is Jon Jones, the new head of Bonneville Power. I am calling to notify you that only WNP-2 is standing between us and a blackout of the entire Northwest grid. Unfortunately, we must take the entire Grand Coulee off-line by 1600 hours this afternoon. This is necessary in order to perform an emergency washdown of the high voltage line insulators at the dam. Day-before-yesterday a severe dust storm came out of the wheat fields to the south and all the insulators are heavily coated with dirt.

Meteorological predictions are for severe rainstorms in the area of the dam. We are concerned that the dirt on the insulators, once wetted, will allow electrical tracking and form a ground path. It is highly likely that severe damage will result to the grid if we do not take immediate action. Unfortunately, the tie-line to Canada is presently out of service for much the same reason.

WNP-2 must make all efforts to base load immediately. We recognize that you are just now re-ascending from a shutdown and would like to increase in power slowly. We also recognize that you have several technical specification limitations placed on you at present. We have contacted the Head of Region 5 NRC and have received his assurance that the Commission is supportive of preventing this blackout."

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

The only intent of this message is to 'scene-set' the need for haste in raising power while in several TSAS...e.g. - RHR-P-1C and SGT-FU-1A out of service. Both these TSAS are 'red herrings' and have no bearing on the scenario.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO. EXERCISE '90

PAGE ____ of ____

RELATES TO MESSAGE NO. 2

TIME: REAL 0830 ☐ AM ☐ PM DRILL 0130 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
Plant Manager	General Serv. Bldg.	Directs the Control Room to ascend in power as expeditiously as practicable. May direct the Plant Maintenance Organization to hurry with the work on RHR and SGT.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:			
3	REAL 0855	☐ AM ☐ PM	DRILL 0155	HOURS

CONTROLLER LOCATION: TSC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Plant Manager

MESSAGE FROM: Lead TSC Controller

MESSAGE:

"This is a DEFAULT MESSAGE:

At approximately 0830 hours an anti-nuclear activist was apprehended by Plant Security inside the Protected Area after having illegally gained access. The person apprehended stated that he intended to do damage to the Plant. This necessitates the declaration of an EAL of ALERT due to 'visual observation of an unauthorized person in a protected area with the intent to commit sabotage.'
You are directed to declare an ALERT because of the preceeding reason."

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

The intent of this message is to maintain the chronology of the time line for the Exercise if, for some reason, the Plant Manager failed to declare an ALERT for the reasons stated.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO.: EXERCISE '90

PAGE ____ of ____

RELATES TO MESSAGE NO.: 3

TIME: REAL 0855 ☐ AM ☐ PM DRILL 0155 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
Plant Manager	GSB	Makes a declaration of ALERT.
Supply Sys Personnel		Activate Centers in accordance with appropriate procedures. Make notifications in accordance with appropriate procedures.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:		
4	REAL 0940	☐ AM ☐ PM	DRILL 0240 HOURS

CONTROLLER LOCATION: TSC

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: TSC Director

MESSAGE FROM: Lead TSC Controller

MESSAGE:

"This is a DEFAULT MESSAGE:

loss of assessment Capability

At approximately 0910 hours a fire occurred in the Technical Support Center. All normal lighting was lost, HVAC was lost and, more importantly, all Plant monitoring capabilities were lost. It is not possible for the TSC staff to perform their emergency functions while working under these conditions. Consequently, you are directed to relocate the TSC in accordance with the appropriate Plant procedure.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

One of the prime objectives of this Exercise is to relocate the TSC.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO. EXERCISE '90

PAGE ____ of ____

ATES TO MESSAGE NO. 4

TIME: REAL 0940 ☐ AM ☐ PM DRILL 0240 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
TSC Director	TSC	Evacuates and relocates the TSC in accordance with the direction contained in PPM 13.10.3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:			
5	REAL 1045	☐ AM ☐ PM	DRILL 0345	HOURS

CONTROLLER LOCATION: CR (Simulator)

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Plant Emergency Director

MESSAGE FROM: Lead TSC Controller

MESSAGE:

"This is a DEFAULT MESSAGE:

At approximately 1010 hours a large amount of radioactive steam commenced escaping from the Turbine Building to the outer environment. The source term in this steam is enough to cause an estimated thyroid dose in excess of 5 Rem per hour at the 1.2 mile boundary.

You are directed to declare a GENERAL EMERGENCY for the preceeding reason.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

The intent of this message is to maintain the chronology of the time line for the Exercise and to drive play by offsite agencies.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO.: EXERCISE '90

PAGE: ____ of ____

ATES TO MESSAGE NO.: 5

TIME: REAL 1045 ☐ AM ☐ PM DRILL 0345 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
Plant Emergency Director	CR (Sim)	Declares a GE in accordance with PPM 13.1.1

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		___ OF ___

MESSAGE NO.	TIME:			
6	REAL 1400	☐ AM ☐ PM	DRILL 0700	HOURS

CONTROLLER LOCATION: CR (Simulator)

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: Control Room Supervisor

MESSAGE FROM: Lead Simulator Controller

MESSAGE:

"This is a DEFAULT MESSAGE:

The MSIV's on the "A" MSL have been stuck open since prior to 1000 hours. They have just 'drifted closed', effectively terminating the release of steam to the outer environment.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

This will obviate the necessity to continue at an EAL of GE.
The Simulator Controller will, concurrent with this message, 'close' the MSIV's on P-602.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

ANTICIPATED RESPONSE

DRILL NO.: EXERCISE '90

PAGE: ____ of ____

DATES TO MESSAGE NO.: 6

TIME: REAL 1400 ☐ AM ☐ PM DRILL 0700 HOURS

RESPONDING PERSON	LOCATION	FOLLOWING ACTIONS SHOULD OCCUR
Control Room Supervisor	CR (Sim)	Notifies the Shift Manager and the PED.
Plant Emergency Director	CR (Sim)	Downgrades the Emergency Classification, preparatory to terminating the Exercise.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

SCENARIO MESSAGES

DRILL NO.		PAGE
EXERCISE '90		____ OF ____

MESSAGE NO.	TIME:			
7	REAL 1415	☐ AM ☐ PM	DRILL 0715	HOURS

CONTROLLER LOCATION: ALL

CONTROLLER NAME	ORGANIZATION

MESSAGE FOR: All Plant Players

MESSAGE FROM: All Plant Lead Controllers

MESSAGE:

THE PLANT PORTION OF THE EXERCISE IS TERMINATED.

REFERENCE GENERAL DATA SHEETS: _____

FOR CONTROLLER USE ONLY

Have all Players prepare After Action Reports. Collect the reports and pertinent Center data.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
INDEX	ALL

VALID FOR TIMES OF: ☐ AM ☐ PM REAL TIME 0700 TO ☐ AM ☐ PM 1600

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

SECTION CONTENTS

DATA SHEET SECTION	ITEM
1	Initial Plant Conditions
2	Reactor and Plant Data
3	Fixed Monitor Readings
4	In-Plant Area Dose Rates
5	Dose Rates in Plant Vicinity
6	Meteorological Data
7	Field Team Data - None
8	Plant Lab & HP Center Data
9	Situational Event Data
10	Control Cell Telephonic Queries - Not Issued to Controllers at Plant or at PSF

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

L NO. EXERCISE '90		PAGE ___ of ___
SHEET NO. 1	RESPONSIBLE CONTROLLER (LOCATION) ALL	
VALID FOR TIMES OF: REAL TIME 0700 ☐AM ☐PM TO 1600 ☐AM ☐PM	DRILL TIME 0000 HOURS TO 0900 HOURS	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO INITIAL PLANT CONDITIONS	

DATA SHEET	ITEM
1a	Historical Data for All Players - Plant Conditions
1b	Historical Data for All Players - Power Level History
1c	Exercise Start Conditions for Operational (Sim & RW-CR) Staff

CONTROLLER NOTE:

The Historical Data will be handed out freely to all personnel, probably the day prior to the Exercise.
The Exercise Start Conditions Data will not be handed out until the Operating Crew is receiving their "Shift Turnover Briefing" just a few minutes prior to starting the Exercise.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
1a	ALL

VALID FOR TIMES OF:					
REAL TIME	ALL DAY	☐ AM ☐ PM TO	☐ AM ☐ PM	DRILL TIME	ALL DAY HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	INITIAL PLANT CONDITIONS Historical Data for All Players - Plant Conditions

1. Time of Year: Tuesday, September 11, 1990 (Real Time).

2. Emergency Situation: As of 0700 hours, this date, none.

3. The Plant has been experiencing a fairly successful operating cycle after having finally come back up to power after the R-5 Outage. The outage itself was successful, yet difficult when Emergency Diesel Generator #1 failed just a few days before the outage's scheduled completion. The repairs to the DG delayed the Plant's restart for over a month. At present, the Plant is in Mid Fuel Cycle and has been operating essentially at 100% base load. Equipment problems have been virtually nil.
A few days earlier, the Plant entered a "Technical Specification 3.0.3 Shutdown" due to a potential electrical fusing problem discovered during an Equipment Qualification Engineering (EQE) review. The Plant restarted after continued evaluation by EQE was able to prove the problem to be of no safety consequence.

4. As the morning begins, the Plant is at 10% power and is in process of pulling rods for even higher power levels. Marching orders are to ascend to 100% power in a timely fashion. At the moment, the only items of note are:
   - A minor steam leak on the high pressure throttle valve for the "A" Reactor Feed Water Drive Turbine, RFW-DT-1A.
   - The "C" Residual Heat Removal Pump, RHR-P-1C, is out of service for maintenance (taking oil samples). It will be returned to service by the mid-day meal break.
   - The "A" Standby Gas Treatment, SGT-FU-1A, has some bad electrical strip heaters. Plant Electricians are in process of replacing them.
   - The Rod Worth Minimizer (RWM) is inoperative. In accordance with Technical Specifications, a second licensed operator is verifying rod movement as the rods are withdrawn to increase reactor power.

5. The Plant is manned for a normal weekday-shift operation. In addition to a full complement of Plant Management, the Operations staff is at full strength in the Control Room and Radwaste Control Room. Chemistry and Health Physics is fully manned and on duty at their respective locations. The Maintenance Organization is manned with its normal compliment of Mechanics, I&C Techs, Electricians, Laborers and Tool Crib Attendant.

6. Weather conditions for the last few days have been very typical for the season...warm, balmy with light winds.

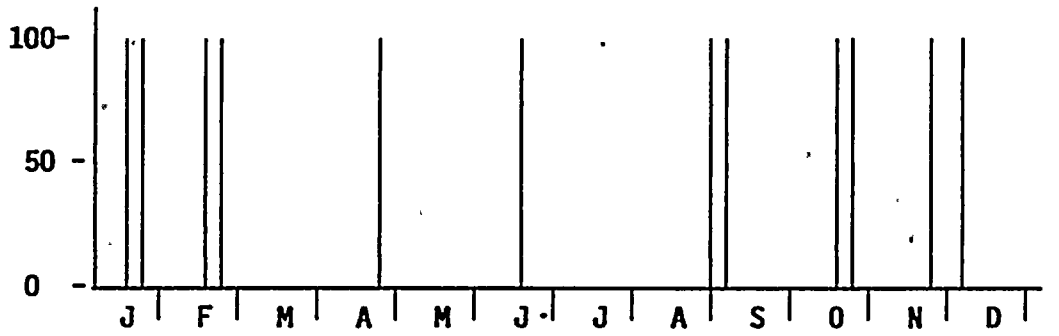
WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

ILL NO. EXERCISE '90	PAGE 1 of 2
SHEET NO. 1b	RESPONSIBLE CONTROLLER (LOCATION) ALL
VALID FOR TIMES OF: REAL TIME ALL DAY ☐AM ☐PM TO ☐AM ☐PM	DRILL TIME ALL DAY HOURS TO HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO INITIAL PLANT CONDITIONS Historical Data for All Players - Power Level History

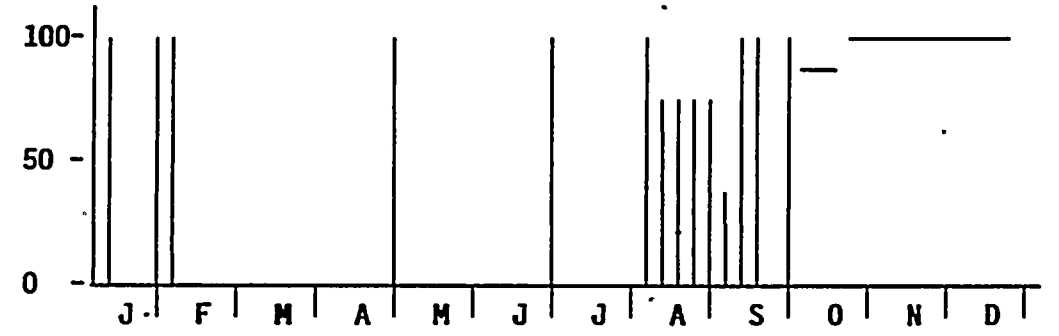
REACTOR POWER %

CALENDAR YEAR 1988



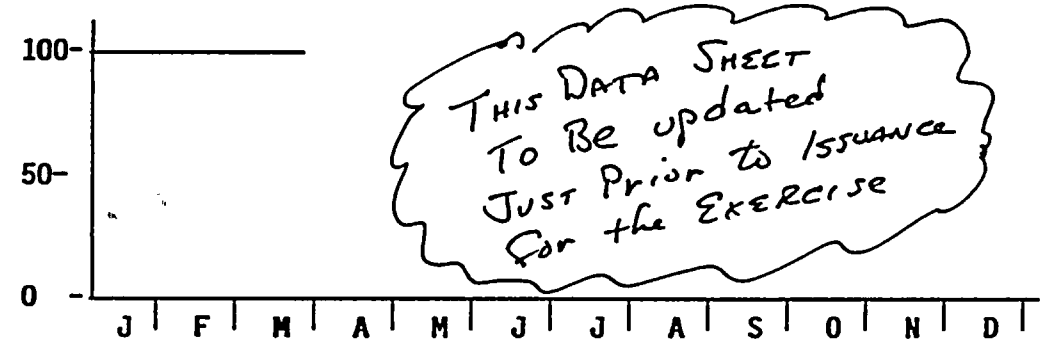
REACTOR POWER %

CALENDAR YEAR 1989



REACTOR POWER

CALENDAR YEAR 1990



This Data Sheet To Be updated Just Prior to Issuance For the Exercise

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	2 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
1b	ALL

VALID FOR TIMES OF:					
REAL TIME	ALL DAY ☐AM ☐PM TO	☐AM ☐PM	DRILL TIME	ALL DAY HOURS TO	HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
INITIAL PLANT CONDITIONS
Historical Data for All Players -
Power Level History

POWER LEVEL HISTORY DETAILS FROM AUGUST '89 to PRESENT

8-6-89	Scram from 100% power
8-8-89	Recover from Scram, Return to 76% power
8-11-89	Forced Outage due to electrical fuse coordination
8-15-89	Recover to 70% power
8-17-89	Reactor Scram
8-18-89	Recover to 71% power
8-19-89	Power limited to 71% due to Feed Pump problems
9-5-89	Power dropped to 31% due to APRM prob's, then recovered to 71%
9-12-89	Feed pump problems resolved, power increased to 100%
9-21-89	Forced Outage due to Condenser tube leak
9-29-89	Recover from Forced Outage, gradual ramp to 80% power
10-4-89	Hold at 80% power due to air inleakage problems
10-29-89	Achieved a nominal 100% power, but actual power varies depending on temp, barometric press and wind conditions
4-21-90	Refueling Outage R-5 commenced
7-15-90	Reascended to power after DG repairs complete.

This Data Sheet to be updated Just Prior To Issuance for the Exercise

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.		PAGE
	EXERCISE '90	___ of ___

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
1c	CR (Simulator)

VALID FOR TIMES OF:					
REAL TIME	0700 ☐AM ☐PM	TO	1600 ☐AM ☐PM	DRILL TIME	0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	DRILL START CONDITIONS For Operational Staff (Sim & RW-CR)

1. Refer to attached Shift Manager Shift Turnover Checklist.(later)
2. Refer to attached Control Room Supervisor Shift Turnover Checklist.(later)
3. Refer to attached Control Room Operator Shift Turnover Checklist.(later)
4. Refer to attached Shift Support Supervisor Shift Turnover Checklist.(later)
5. Refer to attached Control Room Log for Grave Shift, 9/11/90 (later).
6. Refer to attached Shift Manager's Log for Grave Shift, 9/11/90 (later).

CONTROLLER NOTES:

1. Provide only the appropriate checklists only to the appropriate Operations Personnel. It is acceptable for Operations Personnel to share these checklists with whomever they please after having received them.

2. TSC Controller...Provide a cc of sheets 5 & 6 to the Individual who will be playing the Operations Manager in the Exercise. These sheets can be provided to him at any time after 0700 hours on 9/11/90.

These Checklists will Not Be Prepared until just prior to the Exercise in order to Ensure the proper, LATEST REVISIONS ARE used

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
2	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

REACTOR AND PLANT DATA

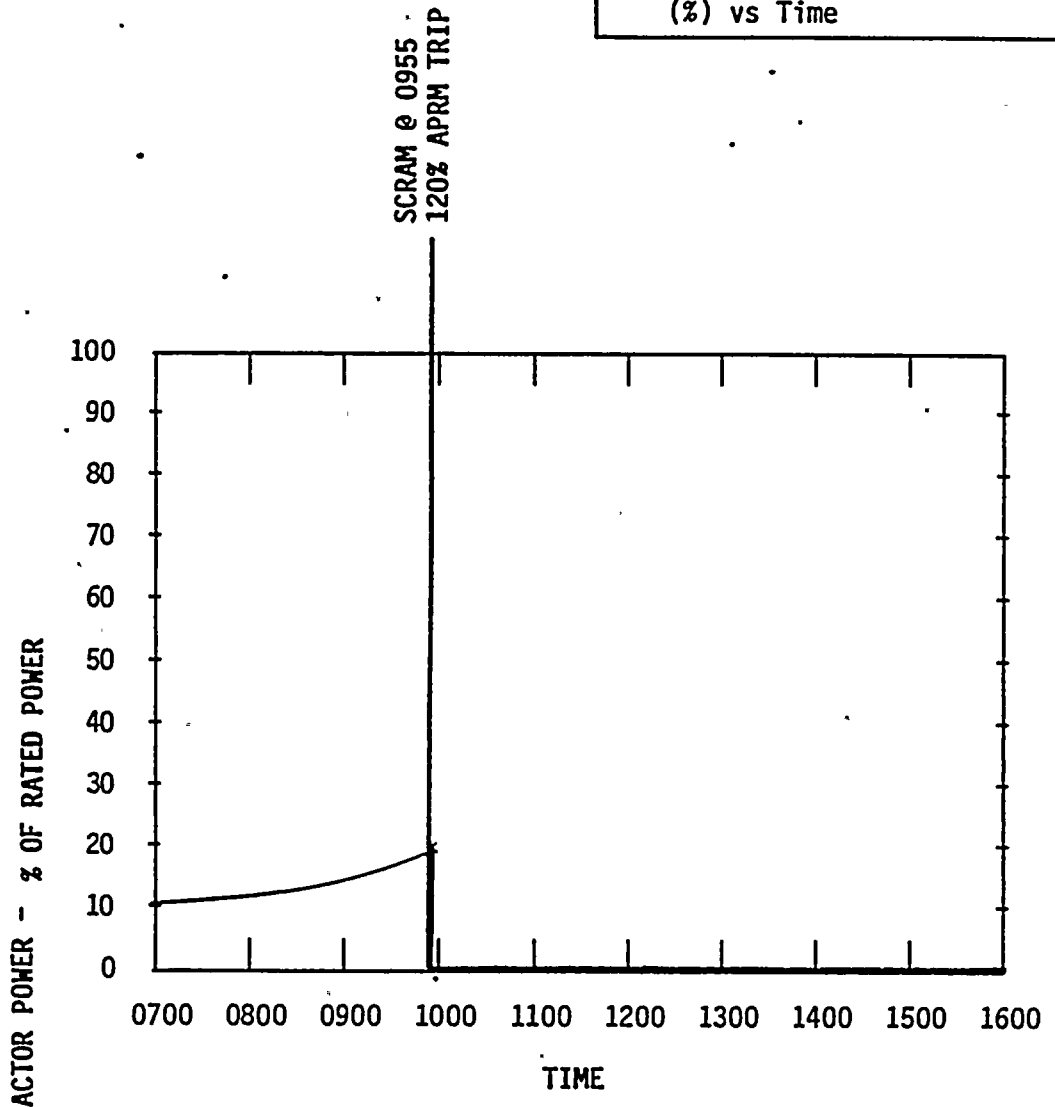
DATA SHEET	ITEM
2a	Reactor Power (%) vs Time
2b	Reactor Pressure (psig) vs Time
2c	Reactor Water Level (inches) vs Time
2d	Suppression Pool Temperature (°F) vs Time
2e	Suppression Pool Level (inches) vs Time
2f	RRC Loop "A" & "B" Flow (gpm) vs Time
2g	Generator Output (MWe) vs Time
2h	TG Building Ventilation Exh. FLow (cfm) vs Time

NOTE TO ALL CONTROLLERS: DO NOT UTILIZE THIS SECTION (REACTOR AND PLANT DATA) EXCEPT IN CASE OF SIMULATOR FAILURE...AS LONG AS THE SIMULATOR IS IN OPERATION, ALL PLANT DATA IS TO BE OBTAINED FROM THE SIMULATOR &/OR EMULATOR VIA THE GDS.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. EXERCISE '90		PAGE ___ of ___
SHEET NO. 2a	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)	
VALID FOR TIMES OF: REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM	DRILL TIME 0000 HOURS TO 0900 HOURS	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO REACTOR POWER (%) vs Time	

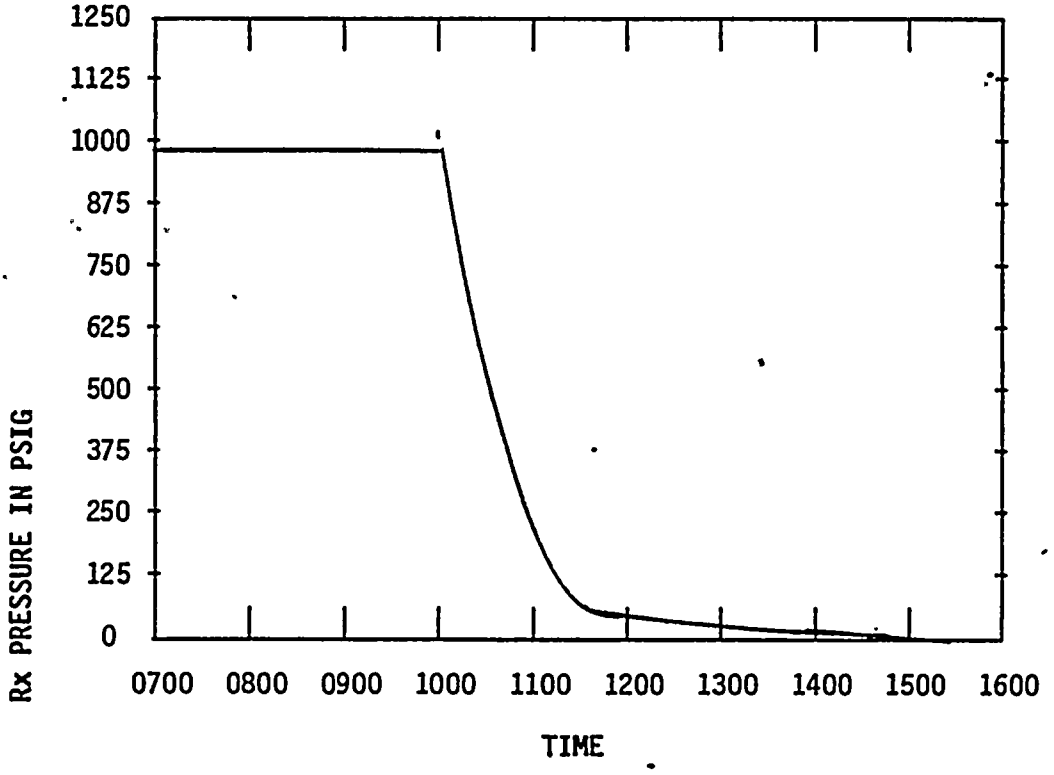


- Increase from 10 to 17 % Power between 0700-0955
- SCRAM due to 120% APRM trip setpoint @ 0955
- Zero % power after 0955

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. EXERCISE '90	PAGE ____ of ____
SHEET NO. 2b	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)
VALID FOR TIMES OF: REAL TIME 0700 ☐AM ☐PM TO 1600 ☐AM ☐PM	DRILL TIME 0000 HOURS TO 0900 HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO REACTOR PRESSURE (psig) vs Time



- 0955 SCRAM
- 1010 MSL Break
- Appr. 1020-30 commence Emerg. Depressurization

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

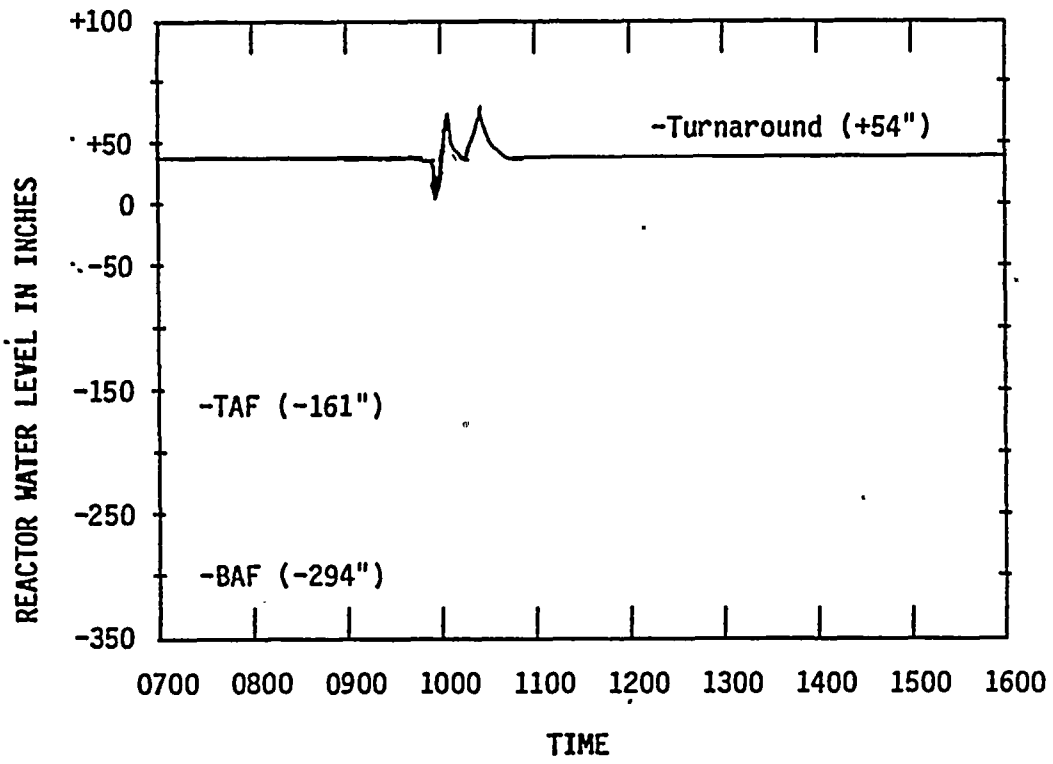
CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
2c	CR (Simulator)

VALID FOR TIMES OF:					
REAL TIME 0700	☐ AM ☐ PM TO	1600	☐ AM ☐ PM	DRILL TIME 0000 HOURS TO	0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	REACTOR WATER LEVEL (inches) vs Time



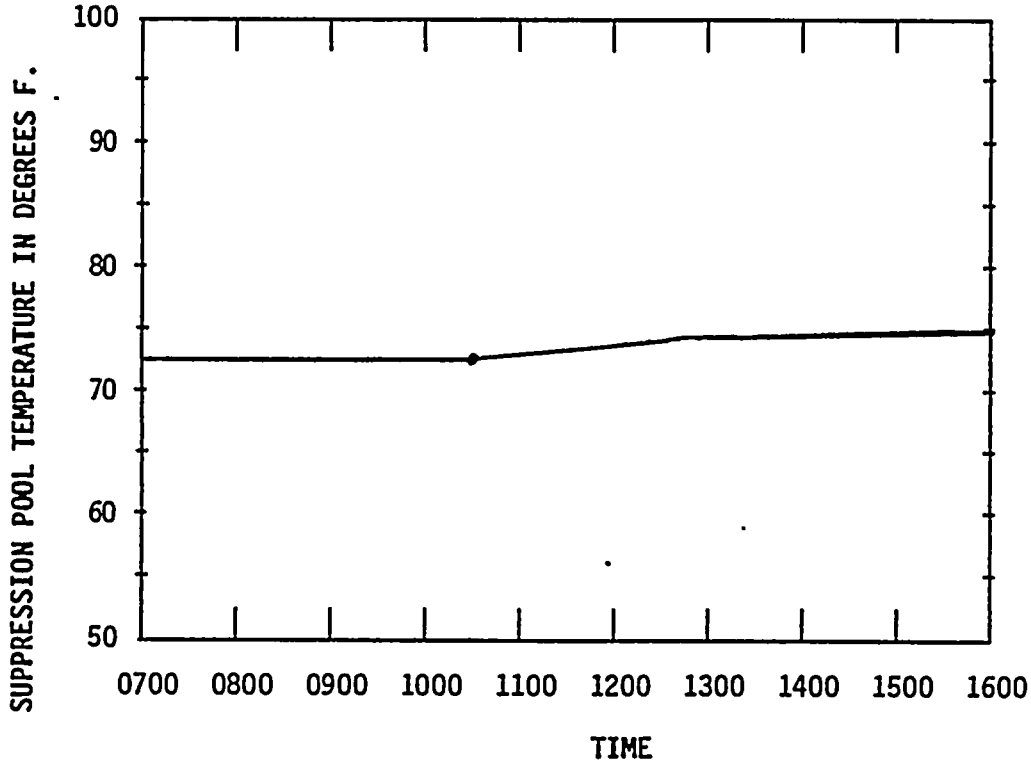
_)(zz SCRAM

- 1010 MSL Break
- Appr. 1020-30 commence Emerg. Depressurization
- No other transients anticipated on water level

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. EXERCISE '90		PAGE ____ of ____
SHEET NO. 2d	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)	
VALID FOR TIMES OF: REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM	DRILL TIME 0000 HOURS TO 0900 HOURS	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO SUPPRESSION POOL TEMPERATURE (°F) vs Time	



- Commence Emerg. Depressurization to Suppression Pool @ 1020-30 hrs; SP will increase in temperature to about 75-80° F.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
2e	CR (Simulator)

VALID FOR TIMES OF:

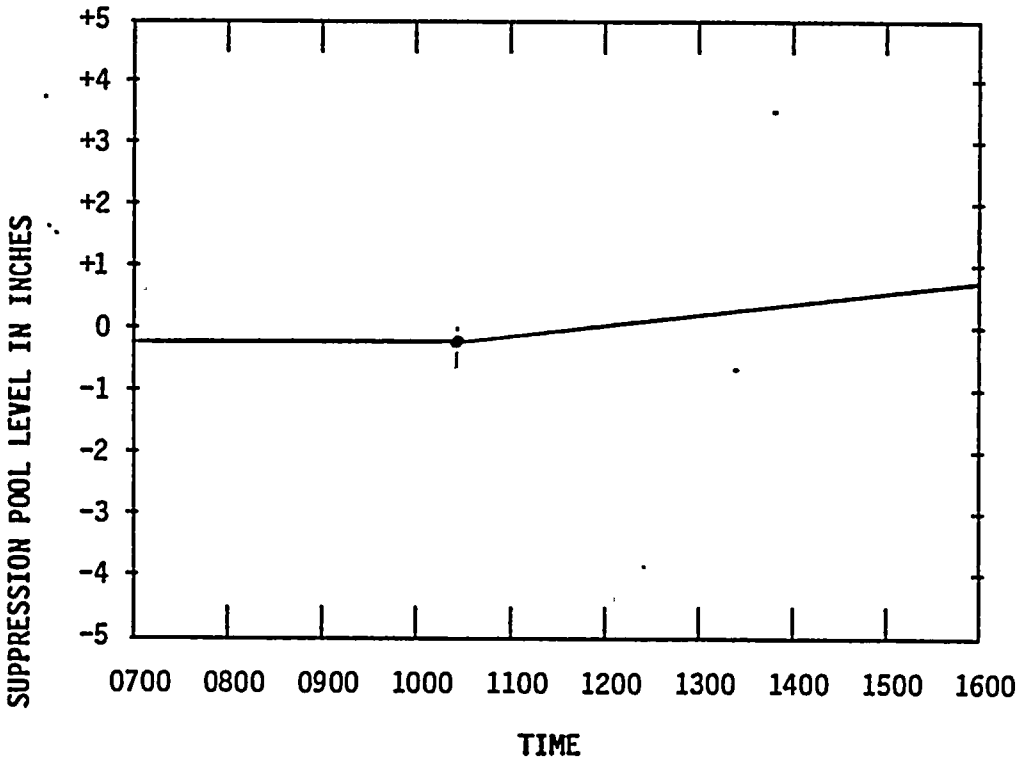
REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

SUPPRESSION POOL LEVEL (inches) vs Time



- Commence Emerg. Depressurization to SP @ 1020-30 hrs; SP will increase slightly in level to about +1(plus one) inches.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
2f	CR (Simulator)

VALID FOR TIMES OF:

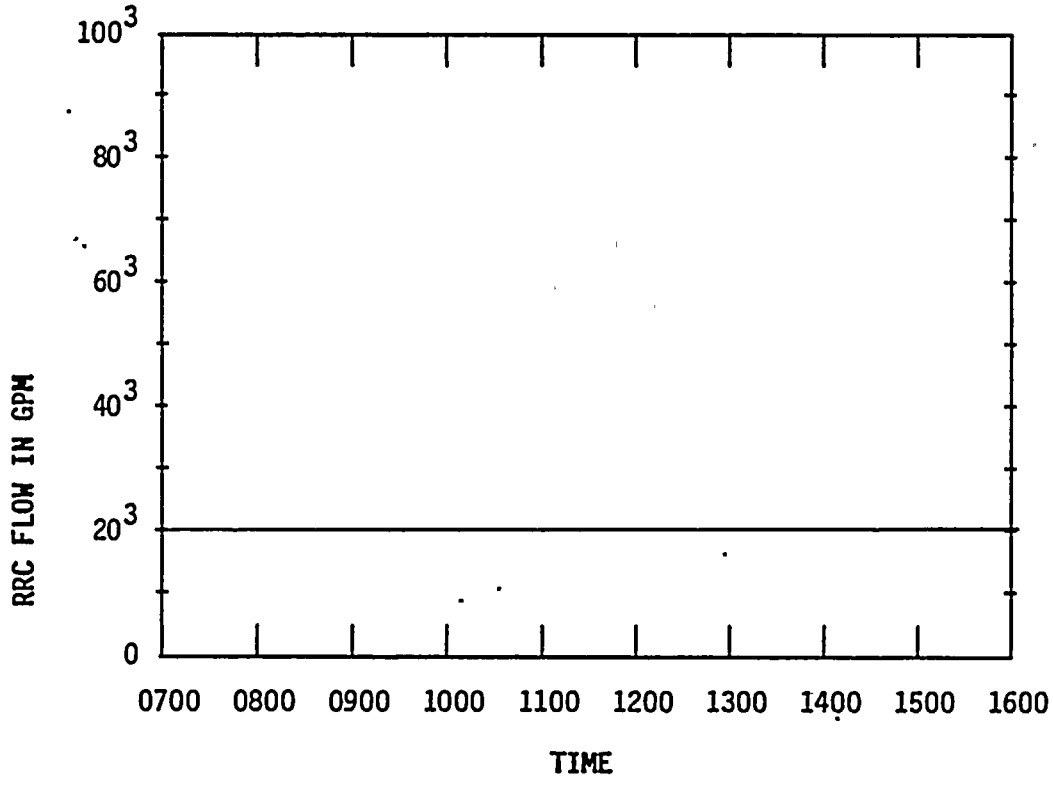
REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

RRC LOOP "A" & "B" FLOW (gpm) vs Time

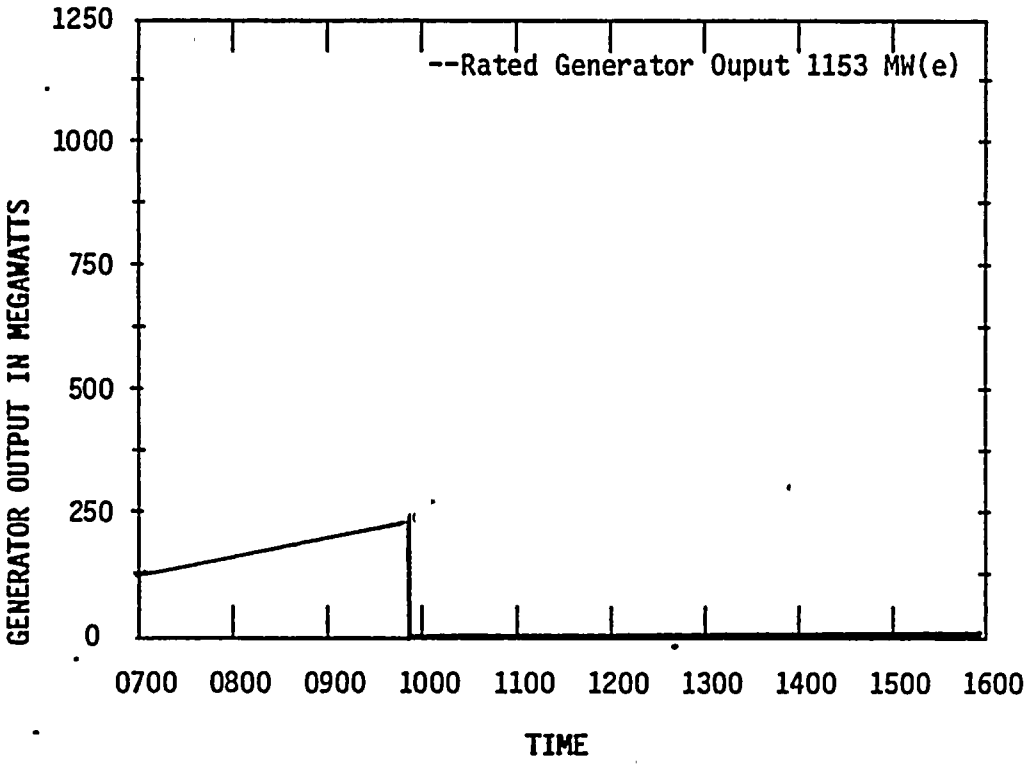


- Both pumps will operate @ 15 Hz with FCV's full open for the duration of the Exercise.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. EXERCISE '90	PAGE ____ of ____
SHEET NO. 2g	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)
VALID FOR TIMES OF: REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM	DRILL TIME 0000 HOURS TO 0900 HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO GENERATOR OUTPUT (MWe) vs Time

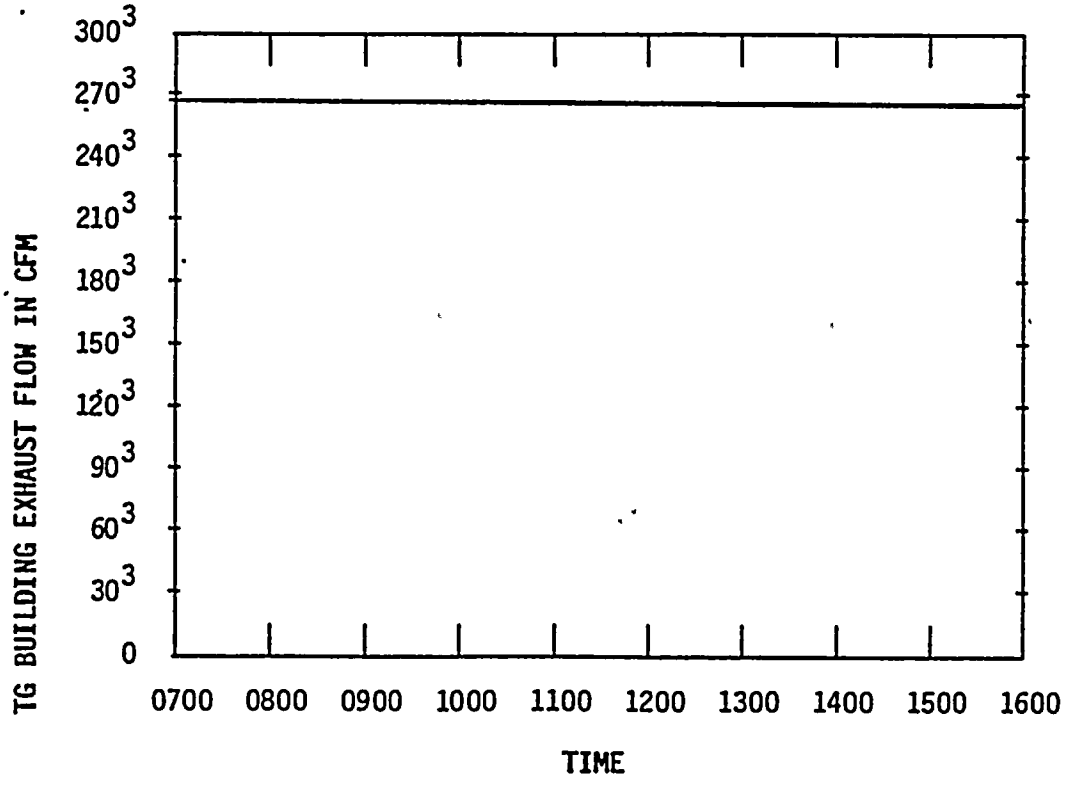


- Ramp up in power from a nominal 10% of rated @ 0700 to 15% @ 0955.
- Trip @ 0955 to zero % power

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. EXERCISE '90	PAGE ___ of ___
S[illegible] NO. 2h	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)
VALID FOR TIMES OF: REAL TIME 0700 ☐AM ☐PM TO 1600 ☐AM ☐PM	DRILL TIME 0000 HOURS TO 0900 HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO: TG BUILDING VENT. EXH. FLOW (cfm) vs Time



- Flow will remain constant at 265,000 CFM for the duration of the Exercise

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

S NO.	RESPONSIBLE CONTROLLER (LOCATION)
3	ALL

VALID FOR TIMES OF:					
REAL TIME 0700	☐ AM ☐ PM	TO 1600	☐ AM ☐ PM	DRILL TIME 0000 HOURS	TO 0900. HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	FIXED MONTOR READINGS INDEX

DATA SHEET	ITEM
3a	Introduction
3b	Alarm Hi Start/Stop Time
3c	ARM 1 - 5
3d	ARM 6 - 11
3e	ARM 12, 13, 23, 24 & 32 - 34
3f	ARM 14 - 18
3g	AR-RIS-21
3h	TEA-RIS-13
3h-1	Graph of TEA-RIS-13 (CPM)
3i	TEA-RIS-13A
3i-1	Graph of TEA-RIS-13A (PMU's)
3j	MS-RIS-610A, B, C & D
3k	CAM's, Tubine Generator Building El. 441', 501' & GSB El. 441'
3l	CMS-RIS-27A & B, 27C & D, 27E & F
3m	CMS - SW and RCC Series
3n	REA-RIS-19 & 19A
3o	OG-RIS-601A & B (Off Gas Post-Treatment)
3p	ARM 19 - 21 & ARM 25 - 30
3q	OG-RIS-612 (Off Gas Pre-Treatment)
3r	WEA & WOA Series
3s	REA-RIS-609A, B, C & D
3t	TRA-RIS-1

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise - 90	____of____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3a	CR (Simulator)

VALID FOR TIMES OF:					
REAL TIME	0700 ☐AM ☐PM	TO	1600 ☐AM ☐PM	DRILL TIME 0000 HOURS	TO 0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Fixed Monitor Readings - Introduction

The plant is in the process of power ascension recovering from a Technical Specifications Action Statement (TSAS) 3.0.3 shutdown due to equipment qualification problems. The plant is at 17% power pulling rods to ascend in power. At 0955 hours while withdrawing control rods, a Control Rod Drop Accident occurs. The result of the Rod Drop Accident is a hot spot in the core ultimately causing 1.8% fuel cladding failure over a period of 15 minutes.

At 0956 hours the off gas pretreatment monitor OG-RIS-612 reachs the alarm setpoint of 1800 mr/hr. At 0958 hours the Main Steam Line Monitor MS-RIS-610 A, B, C, and D all alarm. These alarms cause for MSIV's to close with the exception the inboard and outboard MSIV's on Main Steam Line "A".

At 1010 hours Main Steam Line "A" ruptures at an elbow under the High Pressure Turbine in the Turbine Generator Building Elev. 471' overhead. The steam is released ladened with Noble gases and radioiodines from the failed fuel. This release of activity causes the area, process and effluent monitor in the Turbine Generator Building to all alarm. This release causes the Turbine Generator Building effluent monitor TEA-RIS-13 to go offscale immediately. The intermediate range monitor TEA-RIS-13A increases to in excess of 25 PMUs, drops briefly and then peaks out at 18 PMU's by 1018 hours.

The steam released to the Turbine Generator Building contains 100% of the Noble gases and 10% of the radioiodines released to the core liquid inventory from the Rod Drop Accident. The normal Turbine Generator Building exhaust flow of 265,000 CFM sweeps the activity from the building precluding a build up of both heat and radioactivity. This exhaust flow results in offsite doses of 19.2 Rem to the Thyroid and 67 mrem to the whole body at the 1.2 mile exclusion area boundary.

The flow rate from the reactor to the Turbine Generator Building is based on the pressure and temperature due to the latent heat in the core from power operation. The major portion of the release occurs during the first 1 hour time period. The flow rapidly decrease to about 1½ to 2% of flow for one steam line and remains fairly constant throughout the exercise as the MSIV MS-V-28A is partially closed and acts as a throttle valve. If the OSC repair team is successful in closing the MSIV the release will be terminated at that time. The release rates and the doses in the Turbine Generator Building are reflected on the data sheets following in this section.

One additional assumption used is 20% of the radioiodine available in the Turbine Generator Building at 1100 hours is plated out on the building surfaces. The iodine is plated out over a period of approximately one half hour. Additional plate out is not assumed as the major portion of the activity has been released by 1130 hours as the building exhaust system has swept the activity out decreasing the iodine available for plate out.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise - 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3b	CR (Simulator)

VALID FOR TIMES OF:					
REAL TIME 0700	☐ AM ☐ PM TO 1600	☐ AM ☐ PM	DRILL TIME 0000 HOURS TO 0900 HOURS	

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Fixed Monitor Readings - Hi Start/Stop Time

Data is provided for the Radiation Monitoring systems for 0200 to 1000 hours. The first monitor alarm occurs at 1000 hours on the off gas pretreatment monitor. The Turbine Generator Building area, process and effluent monitors then alarm at 1000 hours. Alarms are due to the detector response to Noble gas and Radioiodine in the Turbine Generator Building air from the MS-line A break. See below for details:

ARM	Alarm Hi (Time)
1-13	No alarm actuated throughout Exercise
14	1010 to end of Exercise
15	1010 to end of Exercise
16	1010 to end of Exercise
17	1010 to end of Exercise
18	1010 to end of Exercise
19-23	No alarm actuated throughout Exercise
24	1400 to end of Exercise due to PASS sampling
25-34	No alarm actuated throughout Exercise
AR-RIS-21	1015 to end of Exercise
CMS-RIS-27A and 27B	- No alarm actuated throughout Exercise
CMS-RIS-27E and 27F	- No alarm actuated throughout Exercise
CMS-RIS-12/1A & 121B	- No alarm actuated throughout Exercise
CMS-RIS-12/3A & 123B	- No alarm actuated throughout Exercise
MS-RIS-610A	- 0958 to end of Exercise
MS-RIS-610B	- 0958 to end of Exercise
MS-RIS-610C	- 0958 to end of Exercise
MS-RIS-610D	- 0958 to end of Exercise
OG-RIS-612	- No alarm actuated throughout Exercise
OG-RIS-612	- 1000 to 1012 hours
OG-RIS-601A & B	- No alarm actuated throughout Exercise
TEA-RIS-1	- 1010 to 1144 hours
TEA-RIS-13A	- No alarm actuated (no alarm function)

No other monitoring system affected as they are not associated with this Exercise

Data Sheets for the Plant Area, Process and Effluent monitoring system follow:

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90

PAGE ____ of ____

SHEET NO. 3c

RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - ARM 1-5

ARM - Readings Due to Normal Plant Operation and PASS Sampling.
All Readings in mr/hr (unless noted otherwise)

Time	ARM-1	ARM-2	ARM-3	ARM-3a	ARM-4	ARM-5
7:00	200	3	200	200	7	10
7:15	200	3	200	200	7	10
7:30	200	3	200	200	7	10
7:45	200	3	200	200	7	10
8:00	200	3	200	200	7	10
8:15	200	3	200	200	7	10
8:30	200	3	200	200	7	10
8:45	200	3	200	200	7	10
9:00	200	3	200	200	7	10
9:15	200	3	200	200	7	10
9:30	200	3	200	200	7	10
9:45	200	3	200	200	7	10
10:00	200	3	200	200	7	10
10:05	200	3	200	200	7	10
10:10	200	3	200	200	7	10
10:15	200	3	200	200	7	10
10:20	200	3	200	200	7	10
10:25	200	3	200	200	7	10
10:30	200	3	200	200	7	10
10:45	200	3	200	200	7	10
11:00	200	3	200	200	7	10
11:15	200	3	200	200	7	10
11:30	200	3	200	200	7	10
11:45	200	3	200	200	7	10
12:00	200	3	200	200	7	10
12:15	200	3	200	200	7	10
12:30	200	3	200	200	7	10
12:45	200	3	200	200	7	10
13:00	200	3	200	200	7	10
13:15	200	3	200	200	7	10
13:30	200	3	200	200	7	10
13:45	200	3	200	200	7	12
14:00	200	3	200	200	7	22
14:15	200	3	200	200	7	50
14:30	200	3	200	200	7	65
14:45	200	3	200	200	7	75
15:00	200	3	200	200	7	75
16:00	200	3	200	200	7	75

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3d	CR (Simulator)

VALID FOR TIMES OF:							
REAL TIME	7:00	☐ AM ☐ PM	TO	16:00	☐ AM ☐ PM	DRILL TIME	0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - ARM 6-11

ARM - Readings Due to Normal Plant Operation and PASS Sampling.
All Readings in mr/hr (unless noted otherwise)

Time	ARM-6	ARM-7	ARM-8	ARM-9 RHR-B	ARM-10 RHR-A	ARM-11 RHR-B
7:00	5	7	3	15	10	3
7:15	5	7	3	15	10	3
7:30	5	7	3	15	10	3
7:45	5	7	3	15	10	3
8:00	5	7	3	15	10	3
8:15	5	7	3	15	10	3
8:30	5	7	3	15	10	3
8:45	5	7	3	15	10	3
9:00	5	7	3	15	10	3
9:15	5	7	3	15	10	3
9:30	5	7	3	15	10	3
9:45	5	7	3	15	10	3
10:00	5	7	3	15	10	3
10:05	5	7	3	15	10	3
10:10	5	7	3	15	10	3
10:15	5	7	3	15	10	3
10:20	5	7	3	15	10	3
10:25	5	7	3	15	10	3
10:30	5	7	3	15	10	3
10:45	5	7	3	15	10	3
11:00	5	7	3	15	10	3
11:15	5	7	3	15	10	3
11:30	5	7	3	15	10	3
11:45	5	7	3	15	10	3
12:00	5	7	3	15	10	3
12:15	5	7	3	15	10	3
12:30	5	7	3	15	10	3
12:45	5	7	3	15	10	3
13:00	5	7	3	15	10	3
13:15	5	7	3	15	10	3
13:30	5	7	3	15	10	3
13:45	5	7	3	15	10	3
14:00	5	7	3	15	10	3
14:15	5	7	3	15	10	3
14:30	5	7	3	15	10	3
14:45	5	7	3	15	10	3
15:00	5	7	3	15	10	3
16:00	5	7	3	15	10	3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3e | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings -
ARM 12, 13, 23, 24,32-34

ARM - Readings Due to Normal Plant Operation and PASS Sampling.
All Readings in mr/hr (unless noted otherwise)

Time	ARM-12 RCIC	ARM-13 HPCS	ARM-23 CRD Pump	ARM-24	ARM-32 (R/hr)	ARM-33 (R/hr)	ARM-34 (R/hr)
7:00	7	7	11	6	Downscale	Downscale	Downscale
7:15	7	7	11	6	Downscale	Downscale	Downscale
7:30	7	7	11	6	Downscale	Downscale	Downscale
7:45	7	7	11	6	Downscale	Downscale	Downscale
8:00	7	7	11	6	Downscale	Downscale	Downscale
8:15	7	7	11	6	Downscale	Downscale	Downscale
8:30	7	7	11	6	Downscale	Downscale	Downscale
8:45	7	7	11	6	Downscale	Downscale	Downscale
9:00	7	7	11	6	Downscale	Downscale	Downscale
9:15	7	7	11	6	Downscale	Downscale	Downscale
9:30	7	7	11	6	Downscale	Downscale	Downscale
9:45	7	7	11	6	Downscale	Downscale	Downscale
10:00	7	7	11	6	Downscale	Downscale	Downscale
10:05	7	7	11	6	Downscale	Downscale	Downscale
10:10	7	7	11	6	Downscale	Downscale	Downscale
10:15	7	7	11	6	Downscale	Downscale	Downscale
10:20	7	7	11	6	Downscale	Downscale	Downscale
10:25	7	7	11	6	Downscale	Downscale	Downscale
10:30	7	7	11	6	Downscale	Downscale	Downscale
10:45	7	7	11	6	Downscale	Downscale	Downscale
11:00	7	7	11	6	Downscale	Downscale	Downscale
11:15	7	7	11	6	Downscale	Downscale	Downscale
11:30	7	7	11	6	Downscale	Downscale	Downscale
11:45	7	7	11	6	Downscale	Downscale	Downscale
12:00	7	7	11	6	Downscale	Downscale	Downscale
12:15	7	7	11	6	Downscale	Downscale	Downscale
12:30	7	7	11	6	Downscale	Downscale	Downscale
12:45	7	7	11	6	Downscale	Downscale	Downscale
13:00	7	7	11	6	Downscale	Downscale	Downscale
13:15	7	7	11	6	Downscale	Downscale	Downscale
13:30	7	7	11	6	Downscale	Downscale	Downscale
13:45	7	7	11	16	0.11	0.10	Downscale
14:00	7	7	11	45	0.11	0.10	Downscale
14:15	7	7	11	45	0.12	0.11	Downscale
14:30	7	7	11	45	0.11	0.10	Downscale
14:45	7	7	11	45	0.12	0.11	Downscale
15:00	7	7	11	45	0.12	0.11	Downscale
16:00	7	7	11	45	0.12	0.11	Downscale

988-15222 R1 (7-83)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3f | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Fixed Monitor Readings - ARM 14-18

All Readings in mr/hr (unless noted otherwise)

Time	ARM-14	ARM-15	ARM-16	ARM-17	ARM-18	
7:00	130	4	7	20	3	
7:30	130	4	7	20	3	
8:00	130	4	7	20	3	
8:30	130	4	7	20	3	
9:00	130	4	7	20	3	
9:30	130	4	7	20	3	
9:55	130	4	7	20	3	
SCRAM @ 9:55 A.M. and Fuel Failuer Begins						
10:00	3500	4	7	20	3	
10:05	5660	4	7	20	3	Steam Line Break
10:10	7850	4	7	20	3	at 10:10 A.M.
10:11	5917	4760	4763	4776	6356	
10:12	3350	2650	2653	2666	3538	
10:13	3673	2916	2919	2932	3893	
10:14	3945	3140	3143	3156	4192	
10:15	4359	3480	3483	3496	4646	
10:16	4427	3537	3540	3553	4721	
10:17	4644	3716	3719	3732	4961	
10:18	4795	3841	3844	3857	5127	
10:19	4723	3781	3784	3797	5047	
10:20	4589	3671	3674	3687	4900	
10:25	3635	2888	2891	2904	3853	
10:30	2756	2165	2168	2181	2888	
10:35	2126	1647	1650	1663	2196	
10:40	1586	1203	1206	1219	1603	
10:45	1284	954	957	970	1271	
10:50	1030	745	748	761	992	
10:55	825	576	579	592	767	
11:00	706	478	481	494	636	
11:15	476	289	292	305	383	
11:30	394	221	224	237	293	
11:45	372	203	206	219	269	
12:00	374	204	207	220	271	
12:15	365	197	200	213	261	
12:30	357	190	193	206	252	
12:45	350	185	188	201	244	
13:00	343	179	182	195	237	
13:15	337	174	177	190	231	
13:30	332	170	173	186	225	
13:45	327	166	169	182	220	
14:00	322	162	165	178	215	
14:15	318	159	162	175	210	
14:30	314	155	158	171	206	
14:45	311	152	155	168	201	
15:00	307	150	153	166	198	
16:00	295	140	143	156	184	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3g	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings -Mechanical Vacuum Pump Monitor AR-RIS-21

Mechanical Vacuum Pump Monitor AR-RIS-21
REV. 1
Range 10^-2 to 10^2 mR/hr

Time	mR/hr
7:00	45
7:15	45
7:30	45
7:45	45
8:00	45
8:15	45
8:30	45
8:45	45
9:00	45
9:15	45
9:30	45
9:45	45
9:55	18
10:00	15
10:05	15
10:10	20
10:15	Offscale
10:20	Offscale
10:25	Offscale
10:30	Offscale
10:45	Offscale
11:00	Offscale
11:15	Offscale
11:30	Offscale
11:45	Offscale
12:00	Offscale
12:15	Offscale
12:30	Offscale
12:45	Offscale
13:00	Offscale
13:15	Offscale
13:30	Offscale
13:45	Offscale
14:00	Offscale
14:15	Offscale
14:30	Offscale
14:45	Offscale
15:00	Offscale
16:00	Offscale

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90	PAGE ____ of ____
SHEET NO. 3h	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF:
REAL TIME ☐ AM ☐ PM 7:00 TO ☐ AM ☐ PM 16:00
DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Fixed Monitor Readings - TEA-RIS-13 & 13A
Turbine Generator Building Release

CPM is Count Rate in for TEA-RIS-13. Ave. is average count CPM for previous 15 min.

Time	CPM
7:00	80
7:15	80
7:30	80
7:45	80
8:00	80
8:15	80
8:30	80
8:45	80
9:00	80
9:15	80
9:30	80
9:40	80
9:45	80
9:50	80
9:55	80
9:56	80
9:57	80
9:58	80
9:59	80
10:00	80
10:01	80
10:02	80
10:03	80
10:04	80
10:05	80
10:06	80
10:07	80
10:08	80
10:09	80
10:10	80
10:11	Offscale
10:12	8.88E+06
10:13	9.48E+06
10:14	9.93E+06
10:15	Offscale
10:16	Offscale
10:17	Offscale
10:18	Offscale
10:19	Offscale
10:20	Offscale
10:21	9.80E+06
10:22	9.25E+06
10:23	8.79E+06
10:24	8.30E+06
10:25	7.79E+06
Ave.	1.02E+07

Time	CPM
10:26	7.28E+06
10:27	6.78E+06
10:28	6.28E+06
10:29	5.94E+06
10:30	5.60E+06
10:31	5.27E+06
10:32	4.94E+06
10:33	4.63E+06
10:34	4.33E+06
10:35	4.10E+06
10:36	3.88E+06
10:37	3.66E+06
10:38	3.46E+06
10:39	3.27E+06
10:40	3.12E+06
Ave.	4.71E+06
10:41	2.99E+06
10:42	2.85E+06
10:43	2.72E+06
10:44	2.60E+06
10:45	2.48E+06
10:46	2.36E+06
10:47	2.25E+06
10:48	2.14E+06
10:49	2.04E+06
10:50	1.94E+06
10:51	1.84E+06
10:52	1.75E+06
10:53	1.66E+06
10:54	1.58E+06
10:55	1.50E+06
Ave.	2.18E+06
10:56	1.43E+06
10:57	1.35E+06
10:58	1.28E+06
10:59	1.22E+06
11:00	1.16E+06
11:01	1.10E+06
10:02	1.04E+06
11:03	9.85E+05
11:04	9.33E+05
11:05	8.84E+05
11:06	8.38E+05
11:07	7.93E+05
11:08	7.51E+05
11:09	7.11E+05
11:10	6.73E+05
Ave.	1.01E+06

Time	CPM
11:11	6.37E+05
11:12	6.03E+05
11:13	5.71E+05
11:14	5.40E+05
11:15	5.11E+05
11:16	4.83E+05
11:17	4.57E+05
11:18	4.32E+05
11:19	4.08E+05
11:20	3.86E+05
11:21	3.65E+05
11:22	3.45E+05
11:23	3.26E+05
11:24	3.08E+05
11:25	2.91E+05
Ave.	4.44E+05
11:26	2.75E+05
11:27	2.60E+05
11:28	2.45E+05
11:29	2.32E+05
11:30	2.19E+05
11:31	2.07E+05
11:32	1.95E+05
11:33	1.84E+05
11:34	1.74E+05
11:35	1.64E+05
11:36	1.55E+05
11:37	1.46E+05
11:38	1.38E+05
11:39	1.30E+05
11:40	1.23E+05
Ave.	1.90E+05
11:41	1.16E+05
11:42	1.09E+05
11:43	1.03E+05
11:44	9.73E+04
11:45	9.17E+04
11:46	8.65E+04
11:47	8.16E+04
11:48	7.69E+04
11:49	7.26E+04
11:50	6.84E+04
11:51	6.45E+04
11:52	6.08E+04
11:53	5.73E+04
11:54	5.41E+04
11:55	5.10E+04
Ave.	7.94E+04

Time	CPM
11:56	4.80E+04
11:57	4.53E+04
11:58	4.27E+04
11:59	4.02E+04
12:00	3.79E+04
12:01	3.57E+04
12:02	3.37E+04
12:03	3.17E+04
12:04	2.99E+04
12:05	2.82E+04
12:06	2.65E+04
12:07	2.50E+04
12:08	2.35E+04
12:09	2.22E+04
12:10	2.09E+04
Ave.	3.28E+04
12:11	1.97E+04
12:12	1.85E+04
12:13	1.75E+04
12:14	1.64E+04
12:15	1.55E+04
12:16	1.46E+04
12:17	1.37E+04
12:18	1.29E+04
12:19	1.22E+04
12:20	1.15E+04
12:21	1.08E+04
12:22	1.02E+04
12:23	9.57E+03
12:24	9.01E+03
12:25	8.48E+03
Ave.	1.34E+04
12:26	7.99E+03
12:27	7.52E+03
12:28	7.08E+03
12:29	6.66E+03
12:30	6.27E+03
12:31	5.90E+03
12:32	5.56E+03
12:33	5.23E+03
12:34	4.92E+03
12:35	4.63E+03
12:36	4.36E+03
12:37	4.11E+03
12:38	3.86E+03
12:39	3.64E+03
12:40	3.42E+03
Ave.	5.41E+03

Time	CPM
12:41	3.22E+03
12:42	3.03E+03
12:43	2.85E+03
12:44	2.68E+03
12:45	2.53E+03
12:46	2.38E+03
12:47	2.24E+03
12:48	2.10E+03
12:49	1.98E+03
12:50	1.86E+03
12:51	1.75E+03
12:52	1.65E+03
12:53	1.55E+03
12:54	1.46E+03
12:55	1.37E+03
Ave.	2.18E+03
12:56	1.29E+03
12:57	1.22E+03
12:58	1.14E+03
12:59	1.08E+03
13:00	1.01E+03
13:01	9.52E+02
13:02	8.95E+02
13:03	8.42E+02
13:04	7.92E+02
13:05	7.45E+02
13:06	7.01E+02
13:07	6.59E+02
13:08	6.20E+02
13:09	5.83E+02
13:10	5.49E+02
Ave.	8.72E+02

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

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SHEET NO. 3h-1

RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF:

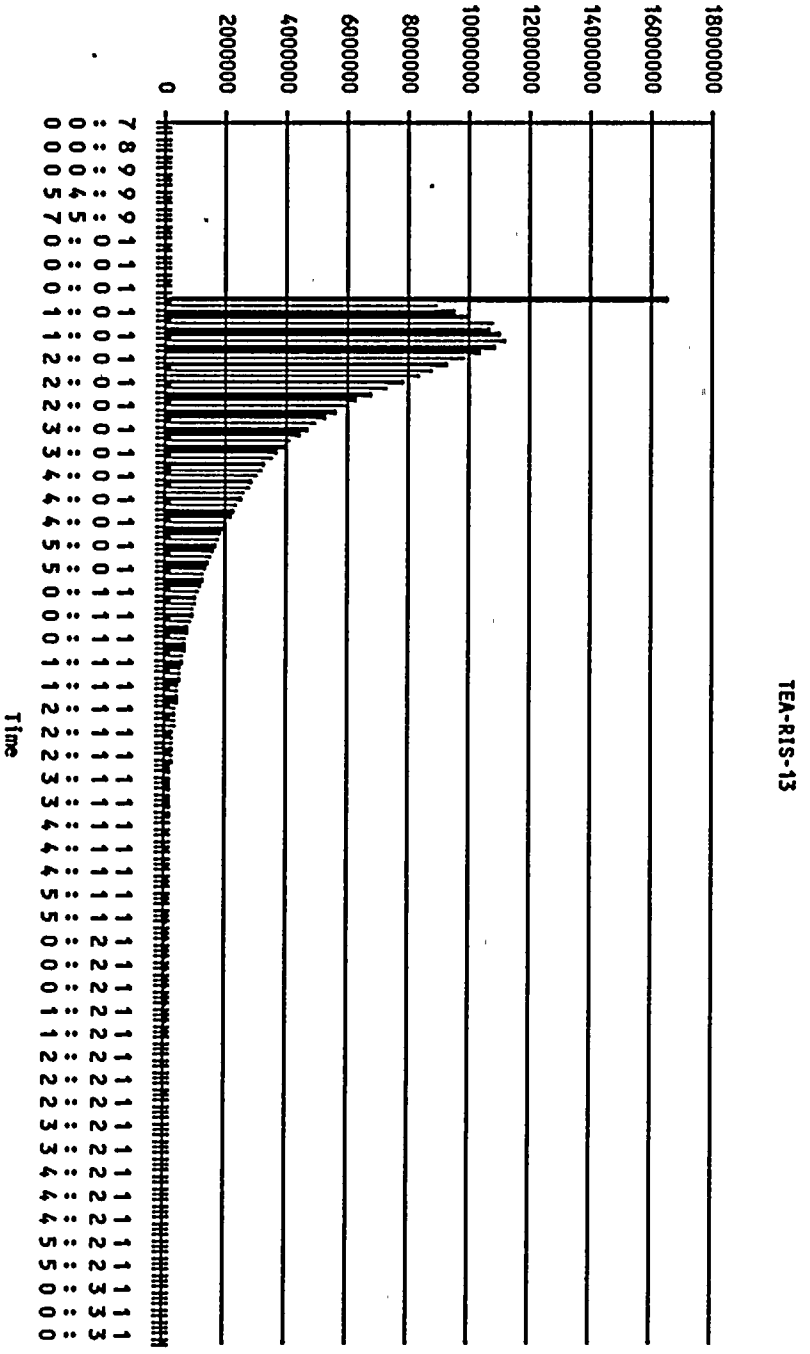
REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - TEA-RIS-13 & 13A
Turbine Generator Building Release



WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3i | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - TEA-RIS-13 & 13A
Turbine Generator Building Release

PMU is Response Rate for TEA-RIS-13A. Ave. is average PMU for previous 15 minutes.

Time	PMU
7:00	1.30
7:15	1.30
7:30	1.30
7:45	1.30
8:00	1.30
8:15	1.30
8:30	1.30
8:45	1.30
9:00	1.30
9:15	1.30
9:30	1.30
9:40	1.30
9:45	1.30
9:50	1.30
9:55	1.30
9:56	1.30
9:57	1.30
9:58	1.30
9:59	1.30
10:00	1.30
10:01	1.30
10:02	1.30
10:03	1.30
10:04	1.30
10:05	1.30
10:06	1.30
10:07	1.30
10:08	1.30
10:09	1.30
10:10	1.30
10:11	25.09
10:12	14.17
10:13	15.11
10:14	15.84
10:15	17.11
10:16	17.10
10:17	17.66
10:18	18.00
10:19	17.56
10:20	16.95
10:21	16.15
10:22	15.36
10:23	14.71
10:24	14.02
10:25	13.28
Ave.	16.54

Time	PMU
10:26	12.56
10:27	11.85
10:28	11.13
10:29	10.64
10:30	10.15
10:31	9.67
10:32	9.19
10:33	8.72
10:34	8.27
10:35	7.93
10:36	7.60
10:37	7.28
10:38	6.96
10:39	6.68
10:40	6.45
Ave.	9.01
10:41	6.24
10:42	6.04
10:43	5.84
10:44	5.64
10:45	5.45
10:46	5.27
10:47	5.09
10:48	4.92
10:49	4.76
10:50	4.60
10:51	4.45
10:52	4.30
10:53	4.16
10:54	4.02
10:55	3.89
Ave.	4.98
10:56	3.77
10:57	3.65
10:58	3.53
10:59	3.42
11:00	3.32
11:01	3.22
10:02	3.12
11:03	3.03
11:04	2.94
11:05	2.86
11:06	2.78
11:07	2.70
11:08	2.63
11:09	2.56
11:10	2.50
Ave.	3.07

Time	PMU
11:11	2.44
11:12	2.38
11:13	2.32
11:14	2.27
11:15	2.22
11:16	2.17
11:17	2.12
11:18	2.08
11:19	2.04
11:20	2.00
11:21	1.96
11:22	1.93
11:23	1.89
11:24	1.86
11:25	1.83
Ave.	2.10
11:26	1.80
11:27	1.77
11:28	1.75
11:29	1.72
11:30	1.70
11:31	1.68
11:32	1.66
11:33	1.64
11:34	1.62
11:35	1.60
11:36	1.59
11:37	1.57
11:38	1.56
11:39	1.54
11:40	1.53
Ave.	1.65
11:41	1.52
11:42	1.50
11:43	1.49
11:44	1.48
11:45	1.47
11:46	1.46
11:47	1.45
11:48	1.44
11:49	1.44
11:50	1.43
11:51	1.42
11:52	1.41
11:53	1.41
11:54	1.40
11:55	1.40
Ave.	1.45

Time	PMU
11:56	1.39
11:57	1.39
11:58	1.38
11:59	1.38
12:00	1.37
12:01	1.37
12:02	1.36
12:03	1.36
12:04	1.36
12:05	1.35
12:06	1.35
12:07	1.35
12:08	1.34
12:09	1.34
12:10	1.34
Ave.	1.36
12:11	1.34
12:12	1.34
12:13	1.33
12:14	1.33
12:15	1.33
12:16	1.33
12:17	1.33
12:18	1.32
12:19	1.32
12:20	1.32
12:21	1.32
12:22	1.32
12:23	1.32
12:24	1.32
12:25	1.32
Ave.	1.33
12:26	1.32
12:27	1.31
12:28	1.31
12:29	1.31
12:30	1.31
12:31	1.31
12:32	1.31
12:33	1.31
12:34	1.31
12:35	1.31
12:36	1.31
12:37	1.31
12:38	1.31
12:39	1.31
12:40	1.31
Ave.	1.31

Time	PMU
12:41	1.30
12:42	1.30
12:43	1.30
12:44	1.30
12:45	1.30
12:46	1.30
12:47	1.30
12:48	1.30
12:49	1.30
12:50	1.30
12:51	1.30
12:52	1.30
12:53	1.30
12:54	1.30
12:55	1.30
Ave.	1.30
12:56	1.30
12:57	1.30
12:58	1.30
12:59	1.30
13:00	1.30
13:01	1.30
13:02	1.30
13:03	1.30
13:04	1.30
13:05	1.30
13:06	1.30
13:07	1.30
13:08	1.30
13:09	1.30
13:10	1.30
Ave.	1.30

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

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SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
31-1	CR (Simulator)

VALID FOR TIMES OF:

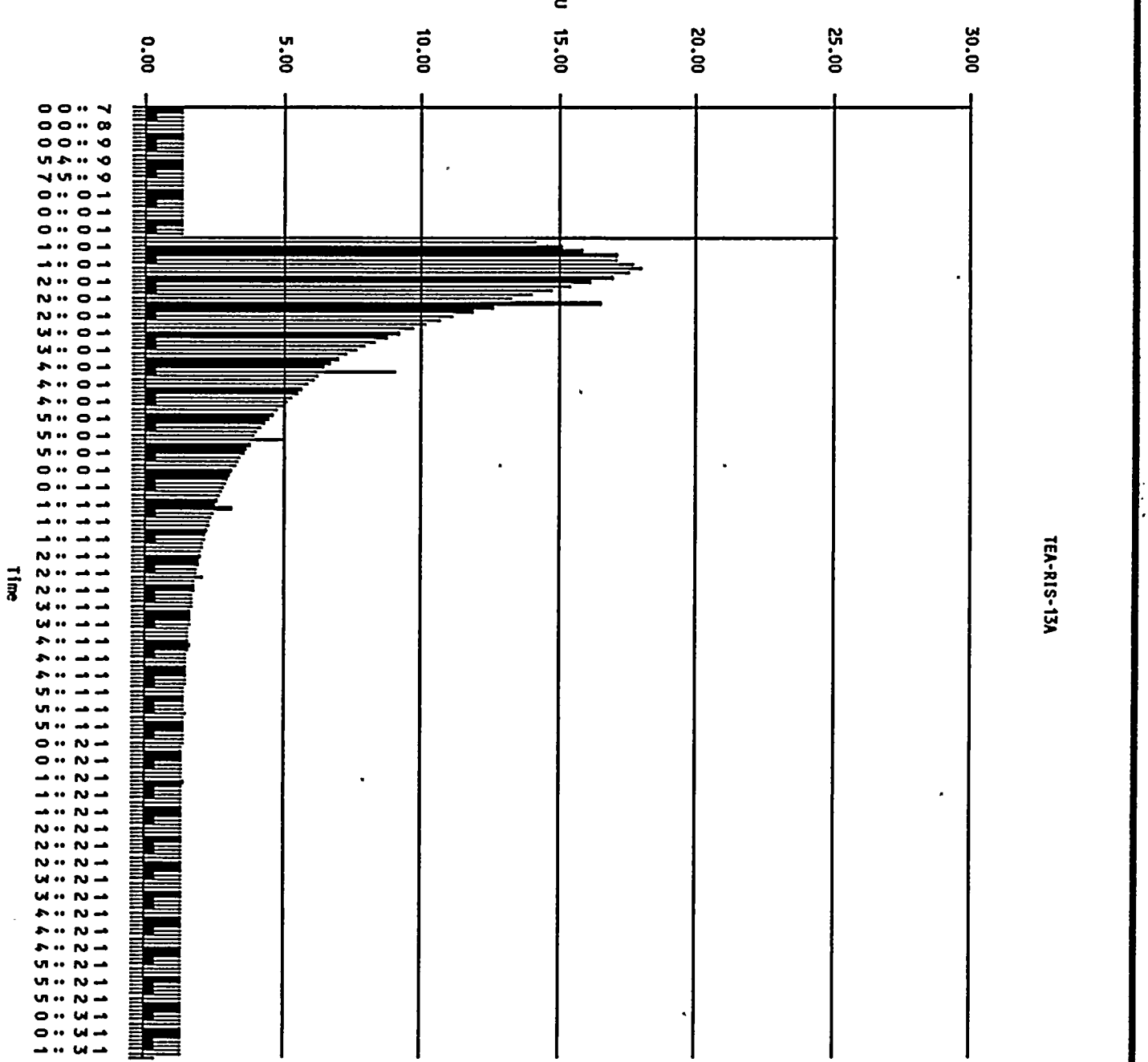
REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - TEA-RIS-13 & 13A
Turbine Generator Building Release



WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
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SHEET NO. 3J | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Fixed Monitor Readings - MS-RIS-610 A, B, C, & D

MS-RIS-610A		MS-RIS-610B		MS-RIS-610C		MS-RIS-610D		
Time	mR/hr	Time	mR/hour	Time	mR/hour	Time	mR/hour	
7:00	1.00E+03	7:00	1.10E+03	7:00	1.20E+03	7:00	8.50E+02	
7:30	1.00E+03	7:30	1.10E+03	7:30	1.20E+03	7:30	8.50E+02	
8:00	1.00E+03	8:00	1.10E+03	8:00	1.20E+03	8:00	8.50E+02	
8:30	1.00E+03	8:30	1.10E+03	8:30	1.20E+03	8:30	8.50E+02	
9:00	1.00E+03	9:00	1.10E+03	9:00	1.20E+03	9:00	8.50E+02	
9:30	1.00E+03	9:30	1.10E+03	9:30	1.20E+03	9:30	8.50E+02	
9:55	2.00E+02	9:55	2.20E+02	9:55	2.40E+02	9:55	1.70E+02	SCRAM /FF
9:56	2.70E+03	9:56	2.88E+03	9:56	3.06E+03	9:56	1.62E+03	
9:57	3.20E+03	9:57	3.46E+03	9:57	3.71E+03	9:57	2.20E+03	
9:58	3.71E+03	9:58	5.50E+02	9:58	4.36E+03	9:58	4.50E+02	
9:59	4.21E+03	9:59	4.75E+02	9:59	5.00E+03	9:59	3.85E+02	
10:00	4.72E+03	10:00	4.50E+02	10:00	5.65E+03	10:00	3.50E+02	
10:05	5.22E+03	10:05	4.50E+02	10:05	6.30E+03	10:05	3.50E+02	
10:10	6.12E+04	10:10	4.50E+02	10:10	7.20E+04	10:10	3.50E+02	MSIV high flow close
10:11	Offscale	10:11	4.50E+02	10:11	8.68E+05	10:11	3.50E+02	
10:12	Offscale	10:12	4.50E+01	10:12	9.73E+05	10:12	3.50E+01	
10:13	9.13E+05	10:13	4.50E+01	10:13	8.67E+05	10:13	3.50E+01	
10:14	8.92E+05	10:14	4.50E+01	10:14	8.47E+05	10:14	3.50E+01	
10:15	8.72E+05	10:15	4.50E+01	10:15	8.28E+05	10:15	3.50E+01	
10:16	8.52E+05	10:16	4.50E+01	10:16	8.09E+05	10:16	3.50E+01	
10:17	8.32E+05	10:17	4.00E+01	10:17	7.90E+05	10:17	3.20E+01	
10:18	8.11E+05	10:18	4.00E+01	10:18	7.70E+05	10:18	3.20E+01	
10:19	7.91E+05	10:19	4.00E+01	10:19	7.51E+05	10:19	3.20E+01	
10:20	7.70E+05	10:20	4.00E+01	10:20	7.32E+05	10:20	3.20E+01	
10:25	7.50E+05	10:25	4.00E+01	10:25	7.13E+05	10:25	3.20E+01	
10:30	6.22E+05	10:30	4.00E+01	10:30	5.91E+05	10:30	3.20E+01	
10:35	4.94E+05	10:35	4.00E+01	10:35	4.69E+05	10:35	3.20E+01	
10:40	3.67E+05	10:40	4.00E+01	10:40	3.49E+05	10:40	3.20E+01	
10:45	2.39E+05	10:45	4.00E+01	10:45	2.27E+05	10:45	3.20E+01	
10:50	1.97E+05	10:50	4.00E+01	10:50	1.87E+05	10:50	3.20E+01	
10:55	1.54E+05	10:55	4.00E+01	10:55	1.46E+05	10:55	3.00E+01	
11:00	1.12E+05	11:00	4.00E+01	11:00	1.06E+05	11:00	3.00E+01	
11:15	6.65E+04	11:15	4.00E+01	11:15	6.32E+04	11:15	3.00E+01	
11:30	2.10E+04	11:30	3.90E+01	11:30	1.99E+04	11:30	3.00E+01	
11:45	8.83E+03	11:45	3.90E+01	11:45	8.39E+03	11:45	3.00E+01	
12:00	7.08E+03	12:00	3.90E+01	12:00	6.73E+03	12:00	3.00E+01	
12:15	5.34E+03	12:15	3.00E+00	12:15	5.07E+03	12:15	3.00E+01	
12:30	3.59E+03	12:30	3.90E+01	12:30	3.41E+03	12:30	3.00E+01	
12:45	1.84E+03	12:45	3.50E+01	12:45	1.75E+03	12:45	2.80E+01	
13:00	9.77E+01	13:00	3.50E+01	13:00	9.28E+01	13:00	2.80E+01	
13:15	9.50E+01	13:15	3.50E+01	13:15	9.03E+01	13:15	2.80E+01	
13:30	9.50E+01	13:30	3.20E+01	13:30	9.03E+01	13:30	2.80E+01	
13:45	9.50E+01	13:45	3.20E+01	13:45	9.03E+01	13:45	2.60E+01	
14:00	9.50E+01	14:00	3.20E+01	14:00	9.03E+01	14:00	2.60E+01	
14:15	9.50E+01	14:15	3.20E+01	14:15	9.03E+01	14:15	2.60E+01	
14:30	9.50E+01	14:30	3.20E+01	14:30	9.03E+01	14:30	2.60E+01	
14:45	9.00E+01	14:45	3.20E+01	14:45	8.55E+01	14:45	2.40E+01	
15:00	9.00E+01	15:00	3.00E+01	15:00	8.55E+01	15:00	2.40E+01	
16:00	9.00E+01	16:00	3.00E+01	16:00	8.55E+01	16:00	2.40E+01	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

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SHEET NO. 3k | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 0:900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Fixed Monitor Readings - CAM's
TG Building 441', 471', 501' El. & OSC 441'

CAM Reading Fullscale 100k cpm

CAM Readings (cpm) Turbine Generator Building & OSC &GSB 441'

Time	TB1A TGB441' Elev.	TB2A TGB471' Elev.	TB3A TGB501' Elev.	Service Bldg. by OSC Elev. 441'	GSB by HP Access Elev. 441'
7:00	2200	1500	1300	1800	1700
7:30	2200	1500	1275	1800	1700
8:00	2200	1500	1250	1800	1700
8:30	2200	1500	1350	1800	1700
9:00	2200	1600	1300	1800	1700
9:30	2200	1670	1370	1800	1700
9:55	2250	1700	1350	1800	1700
SCRAM @ 9:55 A.M. and Fuel Failuer Begins					
10:00	2300	1730	1350	1800	1700
10:05	2250	1730	1340	1800	1700
10:10	2300	1735	1350	1800	1700
10:11	Offscale	Offscale	Offscale	2824	11945
10:12	Offscale	Offscale	Offscale	2915	7276
10:13	Offscale	Offscale	Offscale	3606	7720
10:14	Offscale	Offscale	Offscale	4351	8077
10:15	Offscale	Offscale	Offscale	5285	8671
10:16	Offscale	Offscale	Offscale	6001	8701
10:17	Offscale	Offscale	Offscale	6899	8985
10:18	Offscale	Offscale	Offscale	7775	9169
10:19	Offscale	Offscale	Offscale	8375	8671
10:20	Offscale	Offscale	Offscale	8858	8758
10:25	Offscale	Offscale	Offscale	7296	7196
10:30	Offscale	Offscale	Offscale	5860	5760
10:35	Offscale	Offscale	Offscale	4841	4741
10:40	Offscale	Offscale	Offscale	4164	4064
10:45	Offscale	Offscale	Offscale	3705	3605
10:50	Offscale	Offscale	Offscale	3313	3213
10:55	Offscale	Offscale	Offscale	2988	2888
11:00	Offscale	Offscale	Offscale	2725	2625
11:15	Offscale	Offscale	Offscale	2220	2120
11:30	Offscale	Offscale	Offscale	1984	1884
11:45	Offscale	Offscale	Offscale	1879	1779
12:00	Offscale	Offscale	Offscale	1833	1733
12:15	Offscale	Offscale	Offscale	1814	1714
12:30	Offscale	Offscale	Offscale	1806	1706
12:45	Offscale	Offscale	Offscale	1802	1702
13:00	Offscale	Offscale	Offscale	1800	1701
13:15	Offscale	Offscale	Offscale	1800	1700
13:30	Offscale	Offscale	Offscale	1800	1700
13:45	Offscale	Offscale	Offscale	1800	1700
14:00	Offscale	Offscale	Offscale	1800	1800
14:15	Offscale	Offscale	Offscale	1800	1800
14:30	Offscale	Offscale	Offscale	1800	1800
14:45	Offscale	Offscale	Offscale	1800	1800
15:00	Offscale	Offscale	Offscale	1800	1800
16:00	Offscale	Offscale	Offscale	1800	1800

Sheet 3000 Fixed monitor readings

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
31	CR (Simulator)

VALID FOR TIMES OF:							
REAL TIME	7:00	☐ AM ☐ PM	TO	16:00	☐ AM ☐ PM	DRILL TIME 0:00 HOURS	TO 9:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Fixed Monitor Readings - LOCA Monitors CMS-RIS-27 A& B, C & D and E&F

LOCA Monitors CMS-RIS-27C&D Read Downscale for Entire Event D.S.= less than 10^{-2} R/hr

CMS-RIS-27A & 27B (R/hr)

Time	27A	27B	
7:00	0.30	0.30	
7:30	0.30	0.30	
8:00	0.30	0.30	
8:30	0.30	0.30	
9:00	0.30	0.30	
9:30	0.30	0.30	
9:55	0.91	0.86	SCRAM/FF
9:56	1.85	1.75	
9:57	2.78	2.64	
9:58	3.72	3.54	
9:59	4.66	4.43	MSIV close
10:00	5.60	5.32	except A
10:05	6.44	6.12	
10:10	6.57	6.25	
10:11	6.71	6.37	Line Failure
10:12	6.84	6.50	
10:13	6.98	6.63	
10:14	7.11	6.76	
10:15	7.25	6.89	
10:16	7.37	7.00	
10:17	7.48	7.11	
10:18	7.60	7.22	
10:19	7.71	7.33	
10:20	7.83	7.44	
10:25	7.95	7.55	
10:30	8.06	7.65	
10:35	8.16	7.76	
10:40	8.25	7.83	
10:45	8.33	7.91	
10:50	8.35	7.93	
10:55	8.38	7.96	
11:00	8.49	8.07	
11:15	8.60	8.17	
11:30	8.71	8.27	
11:45	8.81	8.37	
12:00	8.77	8.33	
12:15	8.73	8.29	
12:30	8.68	8.25	
12:45	8.64	8.21	
13:00	8.60	8.17	
13:15	8.49	8.06	
13:30	8.38	7.96	
13:45	8.27	7.86	
14:00	8.16	7.75	
14:15	8.08	7.67	
14:30	8.00	7.60	
14:45	7.92	7.52	
15:00	7.84	7.45	
16:00	7.76	7.37	
17:00	7.46	7.09	

CMS-RIS-27E & 27F (R/hr)

Time	27E	27F
7:00	1.20	D.S.
7:30	1.20	D.S.
8:00	1.20	D.S.
8:30	1.20	D.S.
9:00	1.20	D.S.
9:30	1.20	D.S.
9:55	2.88	4.05
9:56	4.57	10.31
9:57	6.25	16.56
9:58	7.93	22.82
9:59	9.61	29.07
10:00	11.29	35.33
10:05	12.98	40.94
10:10	13.46	41.83
10:11	13.94	42.73
10:12	14.42	43.63
10:13	14.90	44.53
10:14	15.38	45.43
10:15	15.86	46.32
10:16	16.10	47.11
10:17	16.33	47.88
10:18	16.57	48.65
10:19	16.81	49.43
10:20	17.04	50.20
10:25	17.28	50.99
10:30	17.49	51.71
10:35	17.70	52.43
10:40	17.87	52.97
10:45	18.03	53.51
10:50	18.19	53.68
10:55	18.35	53.87
11:00	18.51	54.61
11:15	18.68	55.32
11:30	18.84	56.04
11:45	19.01	56.74
12:00	19.16	56.46
12:15	19.32	56.17
12:30	19.39	55.88
12:45	19.22	55.59
13:00	19.06	55.30
13:15	18.84	54.59
13:30	18.62	53.87
13:45	18.46	53.14
14:00	18.30	52.38
14:15	18.22	51.85
14:30	18.15	51.33
14:45	18.07	50.80
15:00	18.00	50.27
16:00	17.86	49.73
17:00	17.71	47.76

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3m | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Fixed Monitor Readings - CMS, SW, & RCC Series

(Monitor Readings)

Time	CMS-RIS-12/1A&1B Primary Containment Particulate Monitors RB 548' Elevation (cpm) 12/1A	12/1B	CMS-RIS-12/3A&3B Primary Containment Noble Gas Monitors RB 548' Elevation (cpm) 12/3A	12/3B	SW-RIS-604 RHR-A RAD Monitor RB 501' El (cps)	SW-RIS-605 RHR-B RAD Monitor RB 522El (cps)	RCC-RIS-607 Closed CW RAD Monitor RB 548' El (cps)
7:00	3400	3800	2200	1900	4	7	40
7:30	3400	3800	2200	1900	4	7	40
8:00	3400	3800	--- 2200	1900	4	7	40
8:30	3400	3800	2200	1900	4	7	40
9:00	3400	3800	2200	1900	4	7	40
9:30	3400	3800	2200	1900	4	7	40
SCRAM @ 9:55 A.M.							
9:55	3400	3800	2200	1900	4	7	40
9:56	3300	3700	2100	1800	4	7	40
9:57	3200	3600	2000	1700	4	7	40
9:58	3100	3500	1900	1600	4	7	40
9:59	3150	3550	1950	1650	4	7	40
10:00	3200	3600	2000	1700	4	7	40
10:05	3400	3800	2200	1900	4	7	40
10:10	3800	4200	2600	2300	4	7	40
10:11	3200	3600	2000	1700	4	7	40
10:12	3100	3500	1900	1600	4	7	40
10:13	2900	3300	1700	1400	4	7	40
10:14	2800	3200	1600	1300	4	7	40
10:15	2200	2600	1450	1150	4	7	40
10:20	1800	2200	1250	950	4	7	40
10:25	1200	1600	1150	850	4	7	40
10:30	1100	1500	1100	800	4	7	40
10:45	1000	1400	1050	750	4	7	40
11:00	600	800	1020	720	4	7	40
11:15	600	800	1015	715	4	7	40
11:30	600	800	1010	710	4	7	40
11:45	600	800	1000	700	4	7	40
12:00	590	740	990	690	4	7	40
12:15	590	740	985	685	4	7	40
12:30	590	740	980	680	4	7	40
12:45	590	740	950	650	4	7	40
13:00	590	740	925	625	4	7	40
13:15	580	680	900	600	4	7	40
13:30	580	680	900	600	4	7	40
13:45	580	680	900	600	4	7	40
14:00	570	670	900	600	4	7	40
14:15	570	670	900	600	4	7	40
14:30	560	660	900	600	4	7	40
14:45	560	660	900	600	4	7	40
15:00	550	650	900	600	4	7	40
16:00	520	610	900	600	4	7	40
17:00	500	590	900	600	4	7	40

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
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SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3n	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - REA-RIS-19 & 19A
Reactor Building Release

Calibration Factor = 4.284 E+7 CPM/uCi/cc
Noble Gas Beta Emitters only.

REA-RIS-19

Time	Counts per minute
7:00	250 CPM
7:30	250 CPM
8:00	250 CPM
8:30	250 CPM
9:00	250 CPM
9:30	250 CPM
SCRAM @ 9:55 A.M.	
9:55	250 CPM
9:56	260 CPM
9:57	260 CPM
9:58	265 CPM
9:59	290 CPM
10:00	290 CPM
10:05	290 CPM
10:10	285 CPM
10:11	285 CPM
10:12	285 CPM
10:13	285 CPM
10:14	285 CPM
10:15	280 CPM
10:20	280 CPM
10:25	280 CPM
10:30	280 CPM
10:45	280 CPM
11:00	280 CPM
11:15	280 CPM
11:30	280 CPM
11:45	280 CPM
12:00	280 CPM
12:15	280 CPM
12:30	280 CPM
12:45	280 CPM
13:00	280 CPM
13:15	280 CPM
13:30	280 CPM
13:45	280 CPM
14:00	280 CPM
14:15	280 CPM
14:30	280 CPM
14:45	280 CPM
15:00	280 CPM
16:00	280 CPM
17:00	280 CPM

Calibration Factor=100 PMU/uCi/cc for Xe-133
Noble Gas Beta Emitters only.

REA-RIS-19A

Time	Panel Meter Units
7:00	1.8 PMU
7:30	1.8 PMU
8:00	1.8 PMU
8:30	1.8 PMU
9:00	1.8 PMU
9:30	1.8 PMU
9:55	1.8 PMU
9:56	1.8 PMU
9:57	1.8 PMU
9:58	1.8 PMU
9:59	1.8 PMU
10:00	1.8 PMU
10:05	1.8 PMU
10:10	1.8 PMU
10:11	1.8 PMU
10:12	1.8 PMU
10:13	1.8 PMU
10:14	1.8 PMU
10:15	1.8 PMU
10:20	1.8 PMU
10:25	1.8 PMU
10:30	1.8 PMU
10:45	1.8 PMU
11:00	1.8 PMU
11:15	1.8 PMU
11:30	1.8 PMU
11:45	1.8 PMU
12:00	1.8 PMU
12:15	1.8 PMU
12:30	1.8 PMU
12:45	1.8 PMU
13:00	1.8 PMU
13:15	1.8 PMU
13:30	1.8 PMU
13:45	1.8 PMU
14:00	1.8 PMU
14:15	1.8 PMU
14:30	1.8 PMU
14:45	1.8 PMU
15:00	1.8 PMU
16:00	1.8 PMU
17:00	1.8 PMU

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3o	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings -
OG-RIS-601 A&B

OG-RIS-601A

Time	CPM
7:00	350
7:30	350
8:00	350
8:30	350
9:00	350
9:30	350
SCRAM @9:55A.M.	
9:55	350
9:56	350
9:57	350
9:58	350
9:59	350
10:00	350
10:05	350
10:10	350
10:11	350
10:12	350
10:13	350
10:14	350
10:15	350
10:20	350
10:25	350
10:30	350
10:45	350
11:00	350
11:15	350
11:30	350
11:45	350
12:00	350
12:15	350
12:30	350
12:45	350
13:00	350
13:15	350
13:30	350
13:45	350
14:00	350
14:15	350
14:30	350
14:45	350
15:00	350
16:00	350
17:00	350

OG-RIS-601B

Time	CPM
7:00	250
7:30	250
8:00	250
8:30	250
9:00	250
9:30	250
9:55	250
9:56	250
9:57	250
9:58	250
9:59	250
10:00	250
10:05	250
10:10	250
10:11	250
10:12	250
10:13	250
10:14	250
10:15	250
10:20	250
10:25	250
10:30	250
10:45	250
11:00	250
11:15	250
11:30	250
11:45	250
12:00	250
12:15	250
12:30	250
12:45	250
13:00	250
13:15	250
13:30	250
13:45	250
14:00	250
14:15	250
14:30	250
14:45	250
15:00	250
16:00	250
17:00	250

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3p	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - ARM 19-22, & ARM 25-30

ARM - Readings Due to Normal Plant Operation and PASS Sampling.
All Readings in mr/hr (unless noted otherwise)

Time	ARM 19 Main CR	ARM 20&21 RW Bldg	ARM 22 Chem Lab	ARM 25-29 RW Bldg	ARM 30 RW CR
7:00	2	As Read	7	As Read	3
7:15	2	As Read	7	As Read	3
7:30	2	As Read	7	As Read	3
7:45	2	As Read	7	As Read	3
8:00	2	As Read	7	As Read	3
8:15	2	As Read	7	As Read	3
8:30	2	As Read	7	As Read	3
8:45	2	As Read	7	As Read	3
9:00	2	As Read	7	As Read	3
9:15	2	As Read	7	As Read	3
9:30	2	As Read	7	As Read	3
9:45	2	As Read	7	As Read	3
10:00	2	As Read	7	As Read	3
10:05	2	As Read	7	As Read	3
10:10	2	As Read	7	As Read	3
10:15	2	As Read	135	As Read	3
10:20	2	As Read	1675	As Read	3
10:25	2	As Read	1505	As Read	3
10:30	2	As Read	910	As Read	3
10:45	2	As Read	785	As Read	3
11:00	2	As Read	765	As Read	3
11:15	2	As Read	750	As Read	3
11:30	2	As Read	740	As Read	3
11:45	2	As Read	720	As Read	3
12:00	2	As Read	710	As Read	3
12:15	2	As Read	702	As Read	3
12:30	2	As Read	695	As Read	3
12:45	2	As Read	665	As Read	3
13:00	2	As Read	650	As Read	3
13:15	2	As Read	630	As Read	3
13:30	2	As Read	610	As Read	3
13:45	2	As Read	595	As Read	3
14:00	2	As Read	560	As Read	3
14:15	2	As Read	550	As Read	3
14:30	2	As Read	530	As Read	3
14:45	2	As Read	495	As Read	3
15:00	2	As Read	460	As Read	3
16:00	2	As Read	360	As Read	3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3q | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings -
OG- RIS-612

OG-RIS-612

Time	mR/hr	
7:00	200	
7:30	200	
8:00	200	
8:30	200	
9:00	200	
9:30	200	
	SCRAM @9:55A.M.	
9:55	350	
9:56	705	
9:57	1065	
9:58	1420	
9:59	1780	
10:00	2135	HI Alarm @ 1800 mR/hr
10:01	2495	Hi Hi Alarm @ 2300 mR/hr
10:02	2850	
10:03	3210	
10:04	3565	
10:05	3925	
10:10	4280	Steamline
10:11	1800	Break
10:12	1100	
10:13	650	
10:14	550	
10:15	500	
10:20	490	
10:25	485	
10:30	485	
10:45	485	
11:00	480	
11:15	480	
11:30	480	
11:45	480	
12:00	480	
12:15	475	
12:30	475	
12:45	475	
13:00	470	
13:15	470	
13:30	465	
13:45	465	
14:00	460	
14:15	460	
14:30	450	
14:45	450	
15:00	440	
16:00	400	
17:00	350	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90	PAGE ____ of ____
SHEET NO. 3r	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)
VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM	DRILL TIME 0:00 HOURS TO 9:00 HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Fixed Monitor Readings - WEA, WOA, Series

Readings are constant for the entire exercise time.

Monitor	Type/Location	Reading
WEA-RIS-14	RW Vent Exhaust, RW 487' Elev. Normal Range	45cpm
WEA-RIS-14A	RW Vent Exhaust, RW 487' Elev. Extended Range	1.4PMU
WOA-RIS-31A	CR Remote Air Intake# 1	20 cpm
WOA-RIS-31B	CR Remote Air Intake# 1	23cpm
WOA-RIS-32A	CR Remote Air Intake# 2	19cpm
WOA-RIS-32B	CR Remote Air Intake# 2	40cpm

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
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SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
3s	CR (Simulator)

VALID FOR TIMES OF:							
REAL TIME	7:00	☐ AM ☐ PM	TO	16:00	☐ AM ☐ PM	DRILL TIME	0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings - REA-RIS-609A,B,C,and D

REA-RIS-609A,B,C,and D Dectector Range 10°- 2 to 10°2

Time	Reading mr/hr 609A	Reading mr/hr 609B	Reading mr/hr 609C	Reading mr/hr 609D
7:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
7:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
8:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
8:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
	SCRAM @ 9:55 A.M.			
9:55	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:56	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:57	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:58	1.20E-01	2.50E-01	7.00E-02	3.20E-01
9:59	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:05	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:10	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:11	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:12	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:13	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:14	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:15	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:20	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:25	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
10:45	1.20E-01	2.50E-01	7.00E-02	3.20E-01
11:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
11:15	1.20E-01	2.50E-01	7.00E-02	3.20E-01
11:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
11:45	1.20E-01	2.50E-01	7.00E-02	3.20E-01
12:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
12:15	1.20E-01	2.50E-01	7.00E-02	3.20E-01
12:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
12:45	1.20E-01	2.50E-01	7.00E-02	3.20E-01
13:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
13:15	1.20E-01	2.50E-01	7.00E-02	3.20E-01
13:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
13:45	1.20E-01	2.50E-01	7.00E-02	3.20E-01
14:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
14:15	1.20E-01	2.50E-01	7.00E-02	3.20E-01
14:30	1.20E-01	2.50E-01	7.00E-02	3.20E-01
14:45	1.20E-01	2.50E-01	7.00E-02	3.20E-01
15:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
16:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01
17:00	1.20E-01	2.50E-01	7.00E-02	3.20E-01

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 3t | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Fixed Monitor Readings -TRA-RIS-1
Turbine Bldg Air Particulate Monitor

Turbine Building Air Particulate Monitor
TRA-RE-1 (TRA-RIS-1 Range 0-50,000CPM
(Assumes 10% efficiency for noble gases passing through sample chamber and 1% for Radioiodine on the filter)

Time	TRA-RIS-1 Reading (CPM)	
7:00	11000	
7:30	11000	
8:00	11000	
8:30	11000	
9:00	11000	
9:30	11000	
9:55	11000	
SCRAM @ 9:55 A.M. and Fuel Failuer Begins		
10:00	11000	
10:05	11000	
10:10	11000	MS Line Fails
10:11	11000	
10:12	Offscale	CAM Offscale Due to
10:13	Offscale	Radioiodine
10:14	Offscale	
10:15	Offscale	
10:16	Offscale	
10:17	Offscale	
10:18	Offscale	
10:19	Offscale	
10:20	Offscale	
10:25	Offscale	
10:30	Offscale	
10:35	Offscale	
10:40	Offscale	
10:45	Offscale	
10:50	Offscale	
10:55	Offscale	
11:00	Offscale	
11:15	Offscale	
11:30	Offscale	
11:45	Offscale	
12:00	Offscale	
12:15	Offscale	
12:30	Offscale	
12:45	Offscale	
13:00	Offscale	
13:15	Offscale	
13:30	Offscale	
13:45	Offscale	
14:00	Offscale	
14:15	Offscale	
14:30	Offscale	
14:45	Offscale	
15:00	Offscale	
16:00	Offscale	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

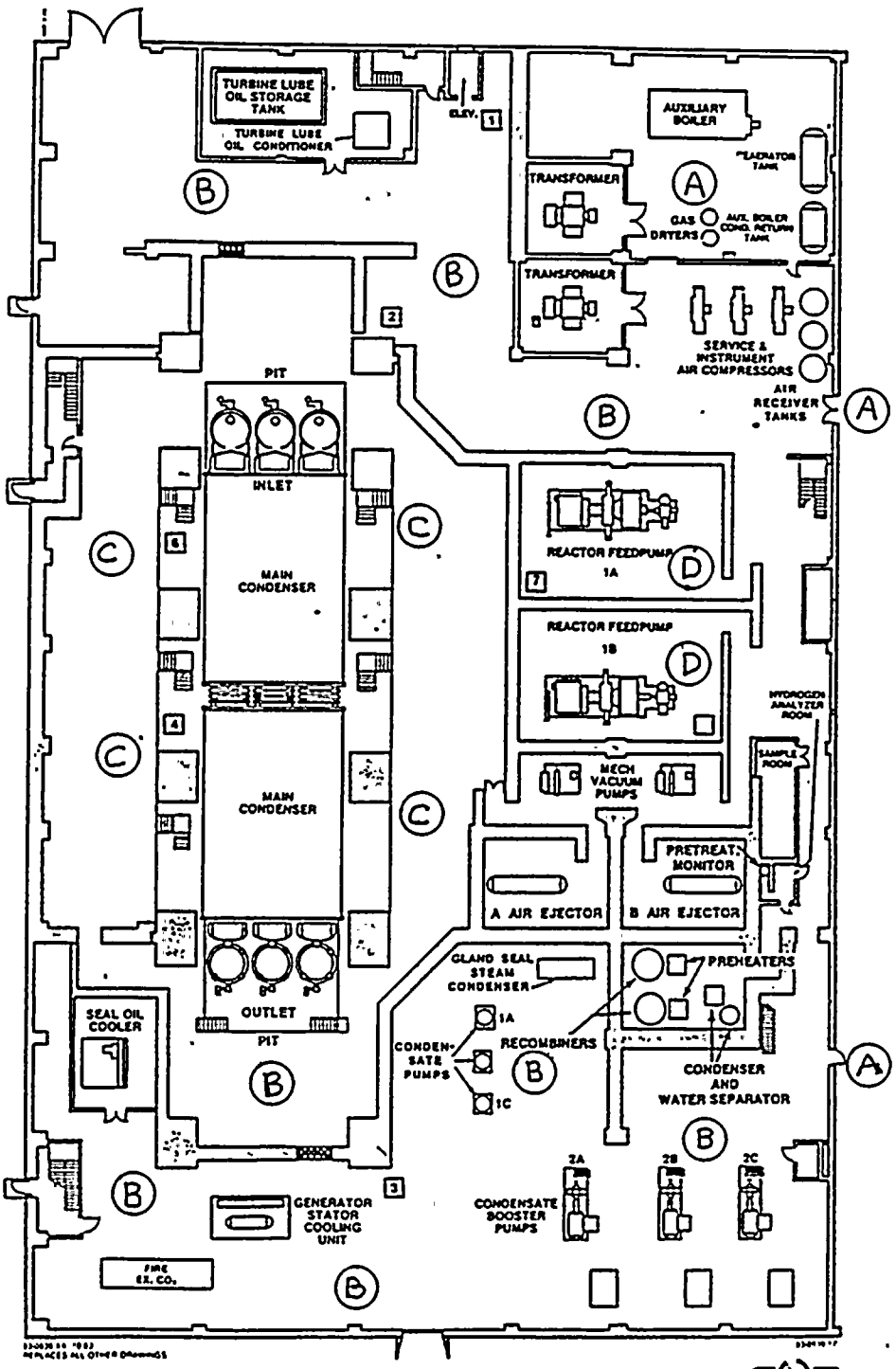
DRILL NO.	PAGE
Exercise - 90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
4	OSC - With Reentry Teams

VALID FOR TIMES OF:					
REAL TIME	0700 ☐AM ☐PM	TO	1600 ☐AM ☐PM	DRILL TIME 0000 HOURS	TO 0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	IN-PLANT AREA DOSE RATES

DATA SHEET	ITEM
4a	Direct Readings, TG Building, 441' elev.
4b	Direct Readings, TG Building, 471' elev.
4c	Direct Readings, TG Building, 501' elev.
4d	Direct Readings, Service Building
4e	Direct Readings, OSC & PAP
4f	Direct Readings, Reactor Building, 471' elev.
4g	Direct Readings, Reactor Building, 501' elev.
4h	Direct Readings, Reactor Building, 522' elev.
4i	Air Sample Results, TG Building (DPM)
4j	Air Sample Results, TG Building (Concentrations)
4k	Air Sample Concentrations - SR-38 Turbine Generator Building
4l	Air Sample Results, OSC & PAP
4m	Reactor Building - Steam Tunnel Rad Data, 501' elev.
4n	Direct Readings, All Other Areas of Reactor Building
4o	Direct Readings and Air Sample Results, TSC



TURBINE GENERATOR BLDG. ELEV. 441'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4a | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

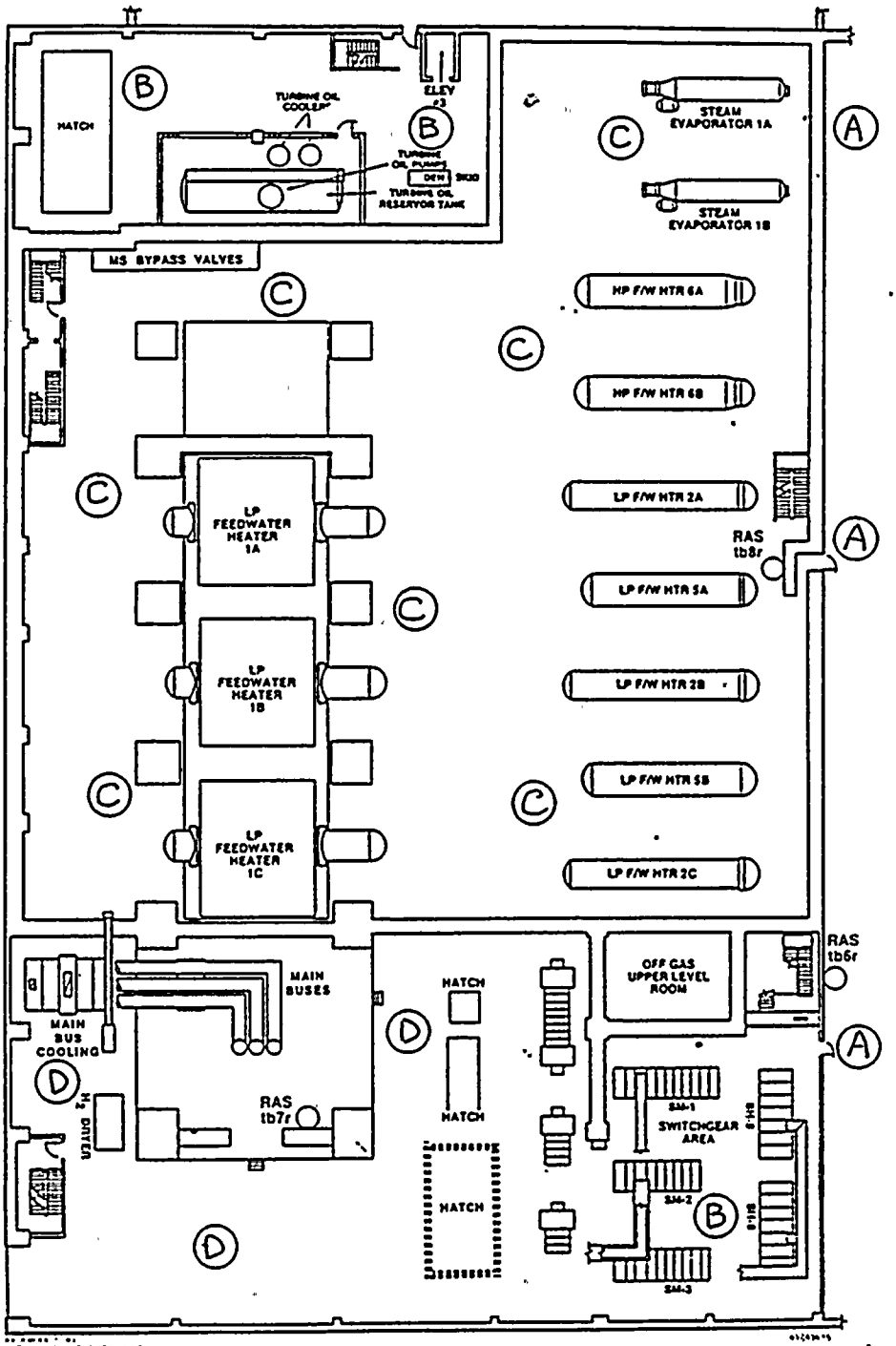
VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Direct Readings
Turbine Generator Building 441' Elev.

Turbine Generator Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A	B	C	D	Contamination Level (cpm/mrad/hr) Area A		B		C		D		
	(mr/hr)	mr/hr	(mr/hr)	mr/hr	cpm	mrad/hr	cpm	mrad/hr	cpm	mrad/hr	cpm	mrad/hr	
7:00	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
7:30	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
8:00	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
8:30	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
9:00	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
9:30	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
9:55	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
SCRAM @ 9:55 A.M. and Fuel Failuer Begins													
10:00	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
10:05	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
10:10	0.1	0.1	25	18	100	0.001	100	0.001	250	0.05	525	0.11	
10:11	26	2850	2875	3143	100	0.02	285	0.06	485	0.10	825	0.17	
10:12	29	3238	3263	3550	120	0.02	470	0.09	725	0.15	1130	0.23	
10:13	35	3893	3918	4237	140	0.03	655	0.13	965	0.19	1435	0.29	
10:14	38	4192	4217	4551	145	0.03	840	0.17	1200	0.24	1735	0.35	
10:15	42	4646	4671	5028	155	0.03	1025	0.21	1440	0.29	2040	0.41	Iodine
10:20	44	4900	4925	5295	165	0.03	1210	0.24	1675	0.34	2345	0.47	Plate
10:25	35	3853	3878	4196	185	0.04	1395	0.28	1915	0.38	2645	0.53	out
10:30	26	2888	2913	3183	195	0.04	1580	0.32	2150	0.43	2950	0.59	B,C,D,
10:45	11	1271	1296	1484	210	0.04	1765	0.35	2390	0.48	3250	0.65	CPM
11:00	6	636	661	818	275	0.05	2267	0.45	3036	0.61	4039	0.81	718
11:15	3	383	408	552	339	0.07	2770	0.55	3682	0.74	4829	0.97	1435
11:30	3	293	318	458	333	0.07	2719	0.54	3616	0.72	4749	0.95	1363
11:45	2	269	294	432	327	0.07	2675	0.53	3560	0.71	4679	0.94	1299
12:00	2	271	296	434	322	0.06	2636	0.53	3510	0.70	4618	0.92	1244
12:15	2	261	286	424	318	0.06	2601	0.52	3465	0.69	4564	0.91	1195
12:30	2	252	277	415	314	0.06	2571	0.51	3426	0.69	4517	0.90	1299
12:35	2	248	273	411	312	0.06	2557	0.51	3409	0.68	4495	0.90	1206
12:45	2	244	269	407	310	0.06	2544	0.51	3391	0.68	4474	0.89	1112
13:00	2	237	262	399	307	0.06	2519	0.50	3360	0.67	4435	0.89	1077
13:15	2	231	256	392	304	0.06	2497	0.50	3331	0.67	4400	0.88	1046
13:30	2	225	250	386	302	0.06	2477	0.50	3305	0.66	4369	0.87	1017
13:45	2	220	245	381	299	0.06	2458	0.49	3282	0.66	4340	0.87	991
							1765						
14:00	2	215	240	375	297	0.06	2442	0.49	3260	0.65	4313	0.86	967
14:15	2	210	235	370	295	0.06	2426	0.49	3240	0.65	4289	0.86	944
14:30	2	206	231	366	293	0.06	2411	0.48	3221	0.64	4266	0.85	923
14:45	2	201	226	362	291	0.06	2398	0.48	3204	0.64	4245	0.85	904
15:00	2	198	223	358	290	0.06	2385	0.48	3187	0.64	4225	0.84	886
16:00	2	184	209	343	284	0.06	2341	0.47	3131	0.63	4156	0.83	823



TURBINE GENERATOR BLDG. ELEV. 471'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4b | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

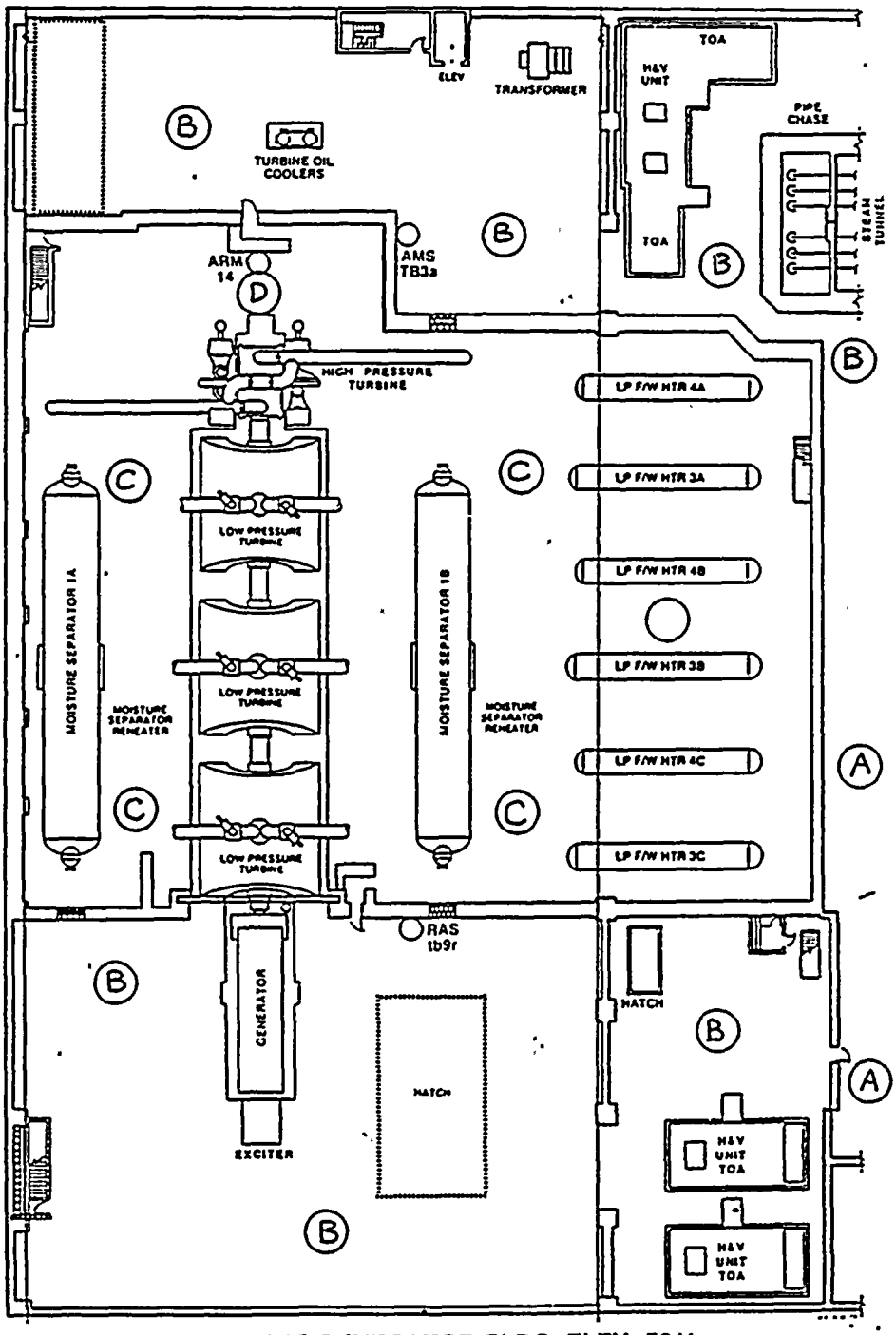
VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Direct Readings, Turbine Generator Building 471' Elev.

Turbine Generator Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A	B	C	D	Contamination Level (cpm/mrad/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr	D cpm	D mrad/hr	
	(mr/hr)	mr/hr	(mr/hr)	mr/hr									
7:00	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
7:30	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
8:00	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
8:30	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
9:00	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
9:30	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
9:55	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
SCRAM @ 9:55 A.M. and Fuel Failuer Begins													
10:00	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
10:05	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
10:10	0.1	0.1	25	0.1	100	0.001	100	0.001	350	0.07	450	0.09	
10:11	29	2850	2875	2850	100	0.02	300	0.06	690	0.14	680	0.14	
10:12	32	3238	3263	3238	120	0.02	505	0.10	1035	0.21	925	0.19	
10:13	39	3893	3918	4087	140	0.03	705	0.14	1380	0.28	1165	0.23	
10:14	42	4192	4217	4192	145	0.03	905	0.18	1725	0.35	1400	0.28	
10:15	46	4646	4671	4646	155	0.03	1105	0.22	2065	0.41	1640	0.33	Iodine
10:20	49	4900	4925	4900	165	0.03	1305	0.26	2410	0.48	1875	0.38	Plate
10:25	39	3853	3878	3853	185	0.04	1510	0.30	2755	0.55	2115	0.42	out
10:30	29	2888	2913	2888	195	0.04	1710	0.34	3095	0.62	2350	0.47	B,C,D,
10:45	13	1271	1296	1271	230	0.05	1910	0.38	3440	0.69	2590	0.52	CPM
11:00	6	636	661	636	302	0.06	2484	0.50	4373	0.87	3236	0.65	717.55
11:15	4	383	408	383	374	0.07	3058	0.61	5306	1.06	3882	0.78	1435.1
11:30	3	293	318	293	366	0.07	3000	0.60	5212	1.04	3816	0.76	1362.7
11:45	3	269	294	269	360	0.07	2950	0.59	5129	1.03	3760	0.75	1299.5
12:00	3	271	296	271	354	0.07	2905	0.58	5057	1.01	3710	0.74	1244
12:15	3	261	286	261	349	0.07	2866	0.57	4993	1.00	3665	0.73	1194.9
12:30	3	252	277	252	360	0.07	2950	0.59	5129	1.03	3760	0.75	1299.5
12:35	2	248	273	248	351	0.07	2875	0.57	5008	1.00	3675	0.74	1206
12:45	2	244	269	244	341	0.07	2800	0.56	4886	0.98	3591	0.72	1112.4
13:00	2	237	262	237	338	0.07	2772	0.55	4841	0.97	3560	0.71	1077.5
13:15	2	231	256	231	335	0.07	2747	0.55	4800	0.96	3531	0.71	1045.8
13:30	2	225	250	225	332	0.07	2724	0.54	4762	0.95	3505	0.70	1017
13:45	2	220	245	220	329	0.07	2703	0.54	4728	0.95	3482	0.70	990.7
14:00	2	215	240	215	327	0.07	2683	0.54	4696	0.94	3460	0.69	966.51
14:15	2	210	235	210	324	0.06	2665	0.53	4667	0.93	3440	0.69	944.17
14:30	2	206	231	206	322	0.06	2649	0.53	4640	0.93	3421	0.68	923.43
14:45	2	201	226	201	320	0.06	2633	0.53	4615	0.92	3404	0.68	904.1
15:00	2	198	223	198	319	0.06	2619	0.52	4592	0.92	3387	0.68	886
16:00	2	184	209	184	312	0.06	2569	0.51	4510	0.90	3331	0.67	823.42



TURBINE GENERATOR BLDG. ELEV. 501'

870678 65

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SET NO.	RESPONSIBLE CONTROLLER (LOCATION)
4c	CR (Simulator)

VALID FOR TIMES OF:

REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM

DRILL TIME 0:00 HOURS TO 9:00 HOURS

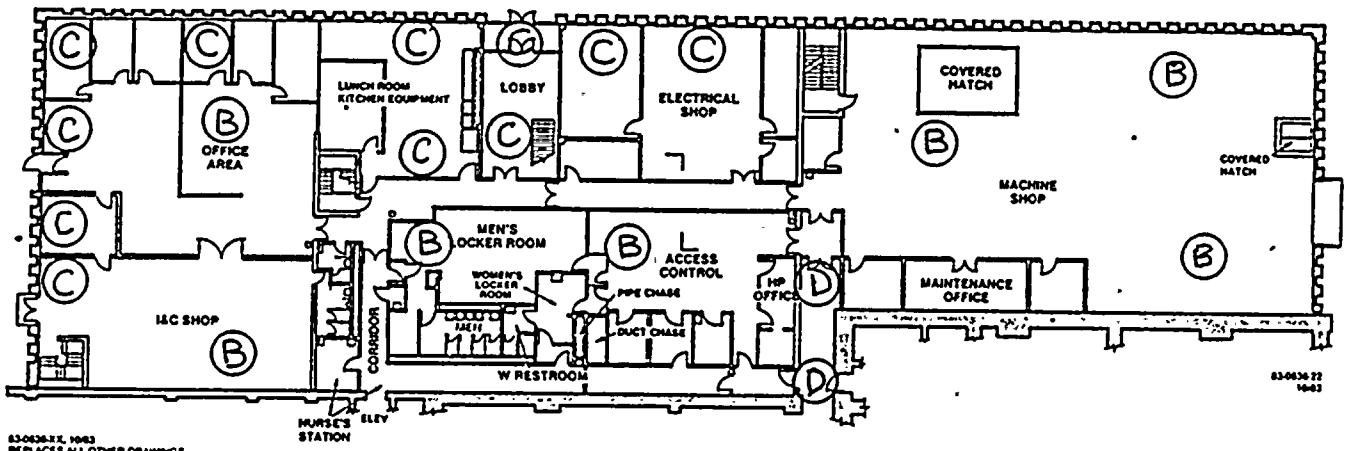
ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

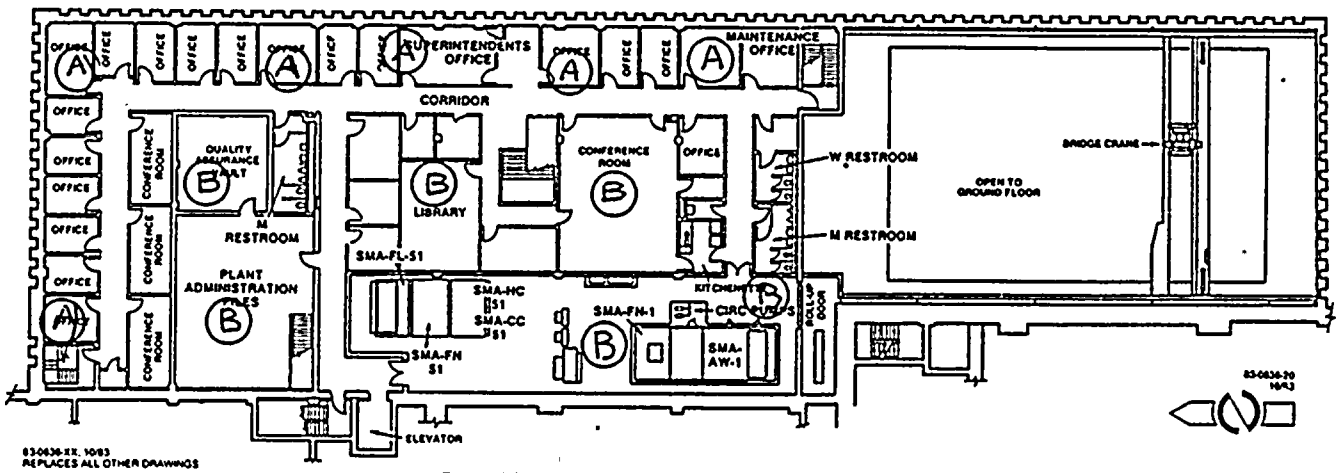
Direct Readings
Turbine Generator Building 501' Elev.

Turbine Generator Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B mr/hr	C (mr/hr)	D mr/hr	Contamination Level (cpm/mrad/hr) Area A cpm	mrad/hr	B cpm	mrad/hr	C cpm	mrad/hr	D cpm	mrad/hr	
7:00	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
7:30	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
8:00	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
8:30	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
9:00	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
9:30	0.1	2	25	150	100	0.001	100	0.001	350	0.07	650	0.09	
9:55	0.1	2	25	195	100	0.001	100	0.001	350	0.07	650	0.09	
SCRAM @ 9:55 A.M. and Fuel Failuer Begins													
10:00	0.1	2	25	2145	100	0.001	100	0.001	350	0.07	650	0.09	
10:05	0.1	2	25	4250	100	0.001	100	0.001	350	0.07	650	0.09	
10:10	0.1	2	25	6350	100	0.001	100	0.001	350	0.07	650	0.09	
10:11	29	2850	2875	5595	100	0.02	310	0.06	590	0.12	940	0.19	
10:12	32	3238	3263	4840	120	0.02	520	0.10	825	0.17	1230	0.25	
10:13	39	3893	3918	4237	140	0.03	735	0.15	1065	0.21	1520	0.30	
10:14	42	4192	4217	4551	145	0.03	945	0.19	1300	0.26	1810	0.36	
10:15	46	4646	4671	5028	155	0.03	1155	0.23	1540	0.31	2100	0.42	Iodine
10:20	49	4900	4925	5295	165	0.03	1370	0.27	1775	0.36	2390	0.48	Plate
10:25	39	3853	3878	4196	185	0.04	1580	0.32	2015	0.40	2685	0.54	out
10:30	29	2888	2913	3183	195	0.04	1790	0.36	2250	0.45	2975	0.60	B,C,D,
10:45	13	1271	1296	1484	230	0.05	2000	0.40	2490	0.50	3265	0.65	CPM
11:00	6	636	661	818	267	0.05	2574	0.51	3136	0.63	4054	0.81	718
11:15	4	383	408	552	339	0.07	3148	0.63	3782	0.76	4844	0.97	1435
11:30	3	293	318	458	331	0.07	3090	0.62	3716	0.74	4764	0.95	1363
11:45	3	269	294	432	325	0.06	3040	0.61	3660	0.73	4694	0.94	1299
12:00	3	271	296	434	319	0.06	2995	0.60	3610	0.72	4633	0.93	1244
12:15	3	261	286	424	314	0.06	2956	0.59	3565	0.71	4579	0.92	1195
12:30	3	252	277	415	310	0.06	2921	0.58	3526	0.71	4532	0.91	1299
12:35	2	248	273	411	308	0.06	2906	0.58	3509	0.70	4510	0.90	1206
12:45	2	244	269	407	306	0.06	2890	0.58	3491	0.70	4489	0.90	1112
13:00	2	237	262	399	303	0.06	2862	0.57	3460	0.69	4450	0.89	1077
13:15	2	231	256	392	300	0.06	2837	0.57	3431	0.69	4415	0.88	1046
13:30	2	225	250	386	297	0.06	2814	0.56	3405	0.68	4384	0.88	1017
13:45	2	220	245	381	294	0.06	2793	0.56	3382	0.68	4355	0.87	991
14:00	2	215	240	375	292	0.06	2773	0.55	3360	0.67	4328	0.87	967
14:15	2	210	235	370	289	0.06	2755	0.55	3340	0.67	4304	0.86	944
14:30	2	206	231	366	287	0.06	2739	0.55	3321	0.66	4281	0.86	923
14:45	2	201	226	362	285	0.06	2723	0.54	3304	0.66	4260	0.85	904
15:00	2	198	223	358	284	0.06	2709	0.54	3287	0.66	4240	0.85	886
16:00	2	184	209	344	277	0.06	2659	0.53	3231	0.65	4171	0.83	823



SERVICE BLDG. ELEV. 441'



SERVICE BLDG. ELEV. 456'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

LET NO. 4d | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

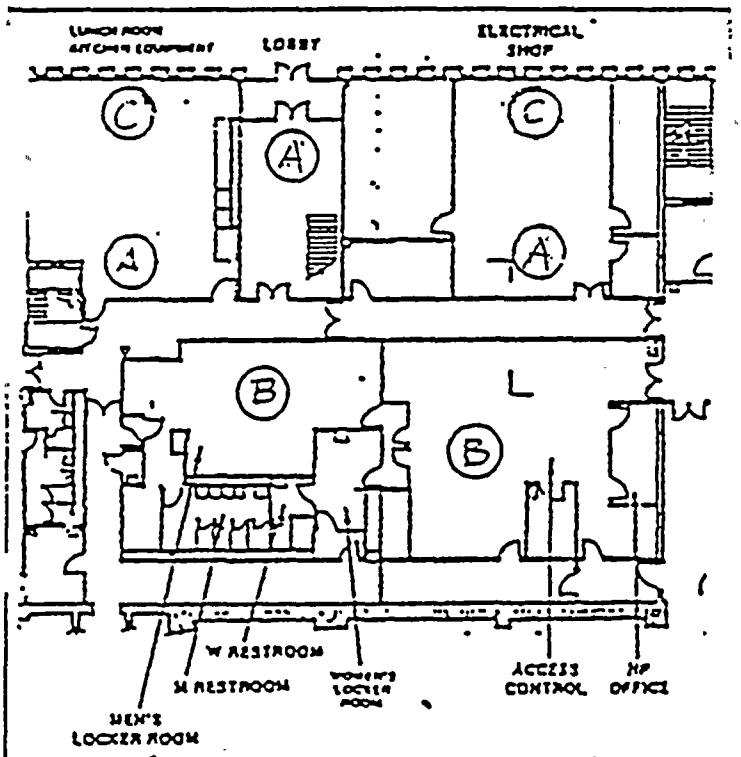
ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

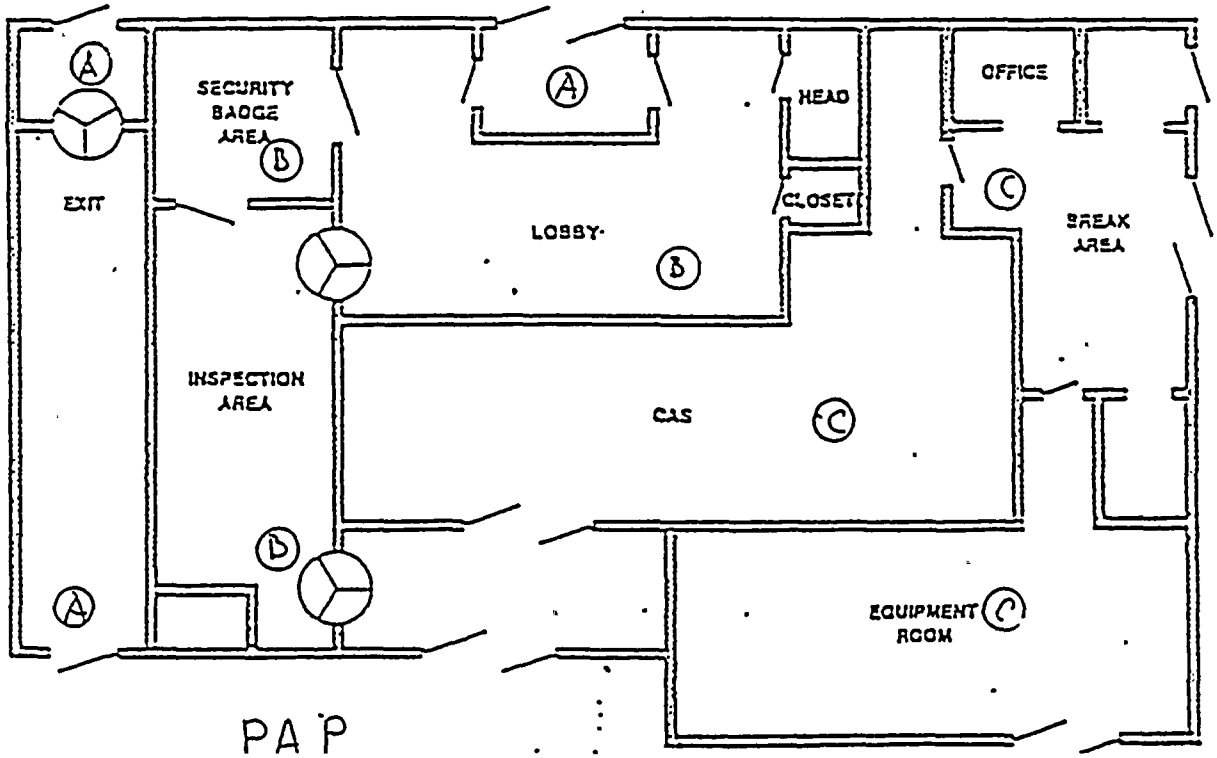
Direct Readings-- General
Service Building 441' & 456' Elev.

General Service Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A	B	C	D	Contamination Level (cpm/mrad/hr) Area A		B		C		D	
	(mr/hr)	(mr/hr)	mr/hr	mr/hr	cpm	mrad/hr	cpm	mrad/hr	cpm	mrad/hr	cpm	mrad/hr
7:00	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
7:30	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
8:00	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
8:30	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
9:00	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
9:30	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
9:55	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
SCRAM @ 9:55 A.M. and Fuel Failuer Begins												
10:00	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
10:05	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
10:10	0.1	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02	100	0.02
10:11	2.5	0.25	2.25	26	100	0.02	100	0.02	100	0.02	100	0.02
10:12	2.8	0.28	2.52	29	100	0.02	100	0.02	100	0.02	120	0.02
10:13	3.5	0.35	3.15	35	100	0.02	100	0.02	100	0.02	140	0.03
10:14	3.8	0.38	3.42	38	100	0.02	100	0.02	100	0.02	145	0.03
10:15	4.2	0.42	3.78	42	100	0.02	100	0.02	100	0.02	155	0.03
10:20	4.4	0.44	3.96	44	100	0.02	100	0.02	100	0.02	165	0.03
10:25	3.5	0.35	3.15	35	100	0.02	100	0.02	100	0.02	185	0.04
10:30	2.6	0.26	2.34	26	100	0.02	100	0.02	100	0.02	195	0.04
10:45	1.1	0.11	0.99	11	100	0.02	100	0.02	100	0.02	210	0.04
11:00	0.6	0.1	0.54	6	124	0.02	159	0.03	129	0.03	238	0.05
11:15	0.5	0.1	0.45	3	145	0.03	211	0.04	154	0.03	446	0.09
11:30	0.3	0.1	0.27	3	162	0.03	256	0.05	175	0.03	624	0.12
11:45	0.2	0.1	0.18	2	177	0.04	293	0.06	193	0.04	773	0.15
12:00	0.1	0.1	0.1	2	189	0.04	323	0.06	207	0.04	891	0.18
12:15	0.1	0.1	0.1	2	186	0.04	315	0.06	203	0.04	858	0.17
12:30	0.1	0.1	0.1	2	183	0.04	307	0.06	200	0.04	829	0.17
12:35	0.1	0.1	0.1	2	182	0.04	304	0.06	198	0.04	816	0.16
12:45	0.1	0.1	0.1	2	180	0.04	301	0.06	196	0.04	803	0.16
13:00	0.1	0.1	0.1	2	178	0.04	295	0.06	194	0.04	779	0.16
13:15	0.1	0.1	0.1	2	176	0.04	290	0.06	191	0.04	758	0.15
13:30	0.1	0.1	0.1	2	174	0.03	285	0.06	189	0.04	738	0.15
13:45	0.1	0.1	0.1	2	172	0.03	280	0.06	186	0.04	720	0.14
14:00	0.1	0.1	0.1	2	170	0.03	276	0.06	184	0.04	704	0.14
14:15	0.1	0.1	0.1	2	169	0.03	272	0.05	183	0.04	688	0.14
14:30	0.1	0.1	0.1	2	167	0.03	268	0.05	181	0.04	674	0.13
14:45	0.1	0.1	0.1	2	166	0.03	265	0.05	179	0.04	660	0.13
15:00	0.1	0.1	0.1	2	165	0.03	262	0.05	178	0.04	648	0.13
16:00	0.1	0.1	0.1	2	160	0.03	251	0.05	172	0.03	604	0.12


LUNCH ROOM
KITCHEN EQUIPMENT
LOBBY
ELECTRICAL SHOP
A
B
C
L
W RESTROOM
M RESTROOM
WOMEN'S LOCKER ROOM
ACCESS CONTROL
HP OFFICE
MEN'S LOCKER ROOM

OSC


A
B
C
SECURITY BADGE AREA
EXIT
LOBBY
HEAD
CLOSET
OFFICE
BREAK AREA
INSPECTION AREA
CAS
EQUIPMENT ROOM

PAP

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4e | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

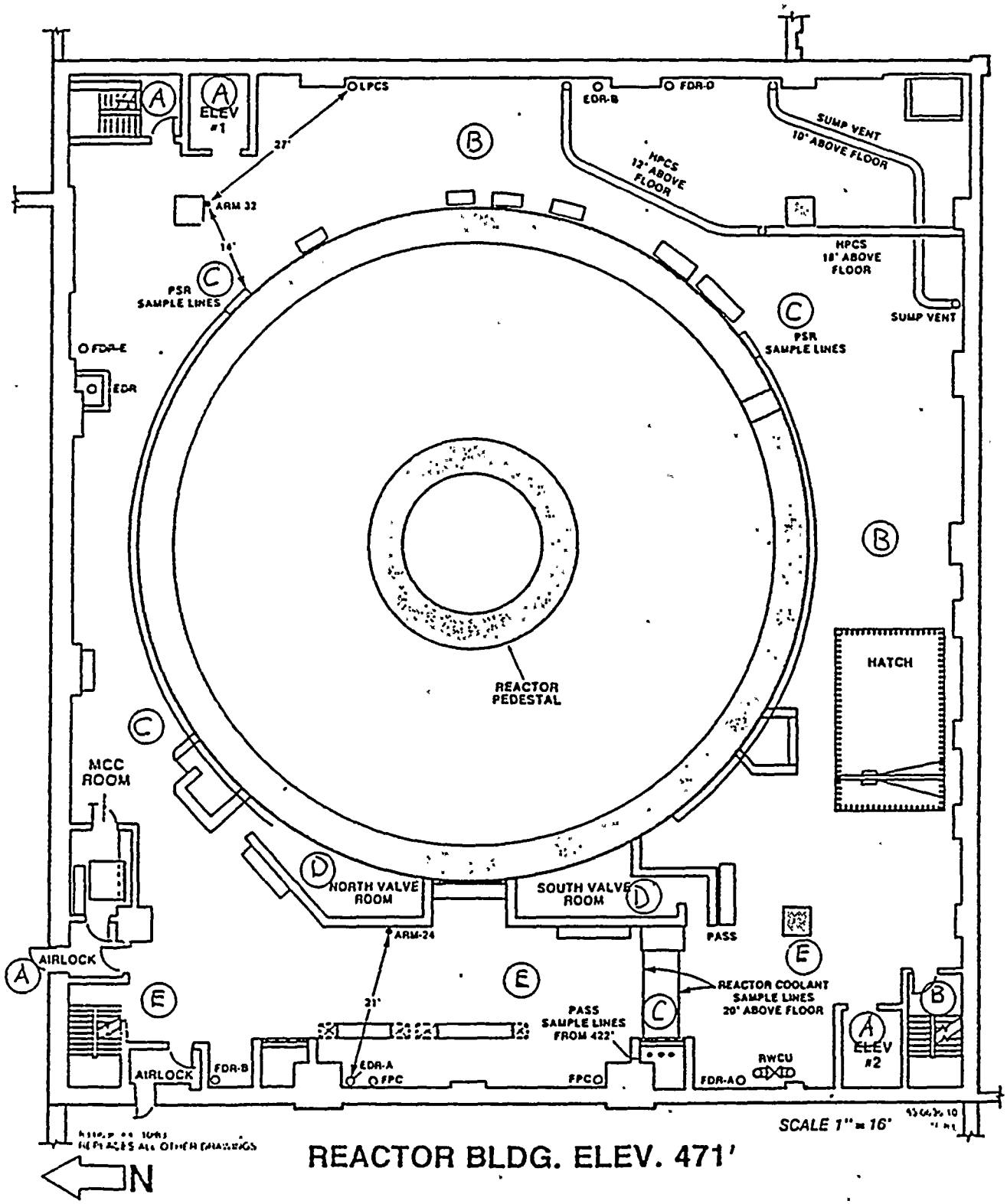
VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Direct Readings-- OSC and PAP

OSC and PAP Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B (mr/hr)	C mr/hr)	Contamination Level (cpm/mrad/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr
7:00	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
7:30	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
8:00	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
8:30	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
9:00	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
9:30	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
9:55	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
SCRAM @ 9:55 A.M. and Fuel Failuer Begins									
10:00	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
10:05	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
10:10	0.1	0.1	0.1	100	0.02	100	0.02	100	0.02
10:11	2.5	0.25	0.23	100	0.02	100	0.02	100	0.02
10:12	2.8	0.28	0.25	100	0.02	100	0.02	100	0.02
10:13	3.5	0.35	0.32	100	0.02	100	0.02	100	0.02
10:14	3.8	0.38	0.34	100	0.02	100	0.02	100	0.02
10:15	4.2	0.42	0.38	100	0.02	100	0.02	100	0.02
10:20	4.4	0.44	0.40	100	0.02	100	0.02	100	0.02
10:25	3.5	0.35	0.32	100	0.02	100	0.02	100	0.02
10:30	2.6	0.26	0.23	100	0.02	100	0.02	100	0.02
10:45	1.1	0.11	0.1	100	0.02	100	0.02	100	0.02
11:00	0.6	0.1	0.1	124	0.02	159	0.03	121	0.02
11:15	0.5	0.1	0.1	145	0.03	211	0.04	140	0.03
11:30	0.3	0.1	0.1	162	0.03	256	0.05	156	0.03
11:45	0.2	0.1	0.1	177	0.04	293	0.06	170	0.03
12:00	0.1	0.1	0.1	189	0.04	323	0.06	180	0.04
12:15	0.1	0.1	0.1	186	0.04	315	0.06	177	0.04
12:30	0.1	0.1	0.1	183	0.04	307	0.06	175	0.03
12:35	0.1	0.1	0.1	182	0.04	304	0.06	173	0.03
12:45	0.1	0.1	0.1	180	0.04	301	0.06	172	0.03
13:00	0.1	0.1	0.1	178	0.04	295	0.06	170	0.03
13:15	0.1	0.1	0.1	176	0.04	290	0.06	168	0.03
13:30	0.1	0.1	0.1	174	0.03	285	0.06	166	0.03
13:45	0.1	0.1	0.1	172	0.03	280	0.06	165	0.03
14:00	0.1	0.1	0.1	170	0.03	276	0.06	163	0.03
14:15	0.1	0.1	0.1	169	0.03	272	0.05	162	0.03
14:30	0.1	0.1	0.1	167	0.03	268	0.05	161	0.03
14:45	0.1	0.1	0.1	166	0.03	265	0.05	159	0.03
15:00	0.1	0.1	0.1	165	0.03	262	0.05	158	0.03
16:00	0.1	0.1	0.1	160	0.03	251	0.05	154	0.03



REACTOR BLDG. ELEV. 471'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4f | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

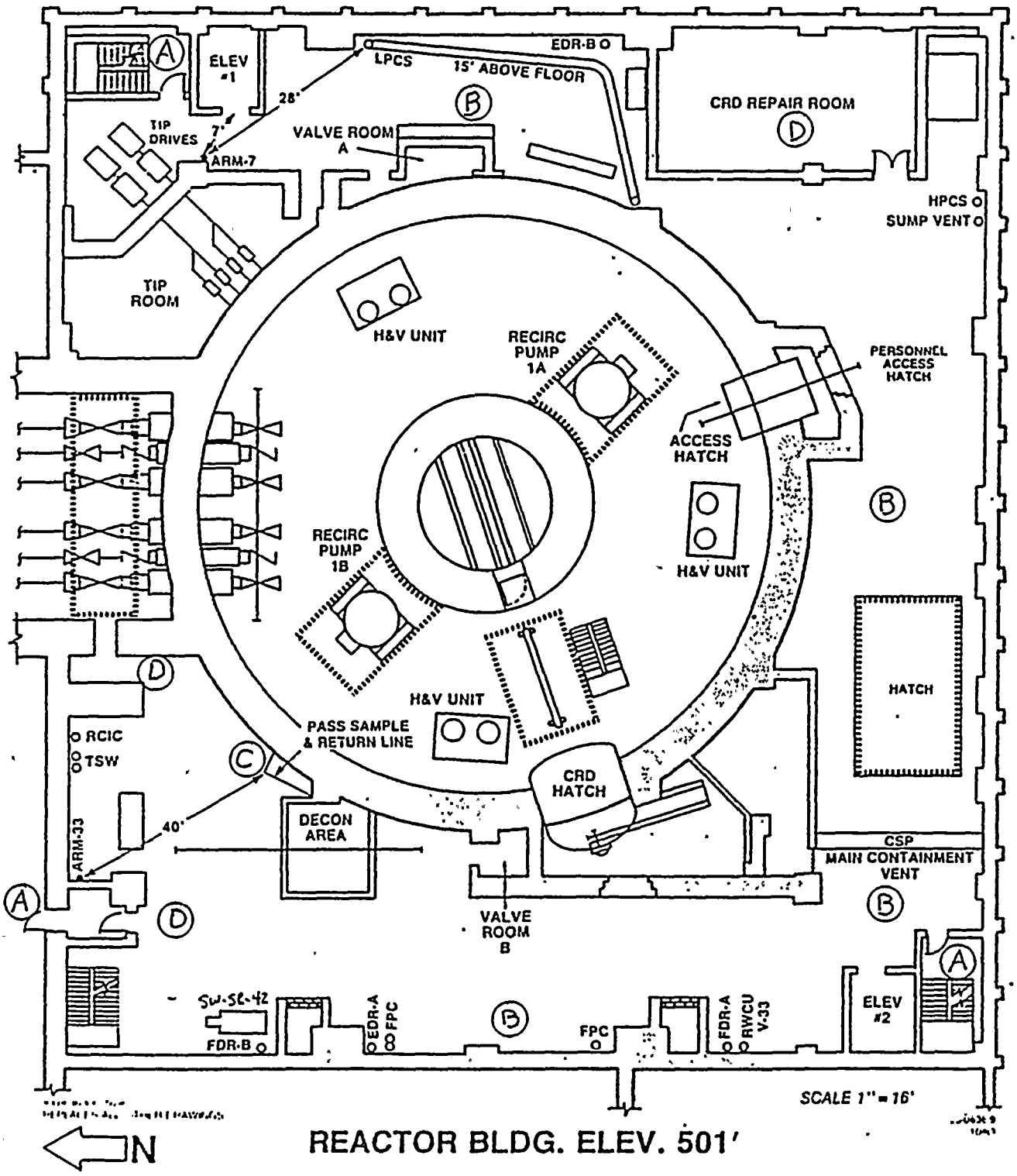
VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO .
Direct Readings
Reactor Building 471' Elev.

Reactor Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B mr/hr	C (mr/hr)	D mr/hr	E mr/hr	Contamination Level (cpm/mr/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr	D cpm	D mrad/hr	E cpm	E mrad/hr
7:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
7:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
8:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
8:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:55	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
SCRAM @ 9:55 A.M. and Fuel Failuer Begins															
10:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:45	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:45	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
* NOTE: If PASS Sampling does not start by 12:35 hrs use 12:30 hrs readings															
12:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:35	0.1	2	850	*1020	60	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:45	0.1	2	812	975	55	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:00	0.1	2	775	930	50	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:15	0.1	2	737	885	45	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:30	0.1	2	700	840	40	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:45	0.1	2	662	795	35	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:00	0.1	2	625	750	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:15	0.1	2	588	705	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:30	0.1	2	550	660	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:45	0.1	2	513	615	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
15:00	0.1	2	475	570	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
16:00	0.1	2	324	395	30	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001



REACTOR BLDG. ELEV. 501'

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4g | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

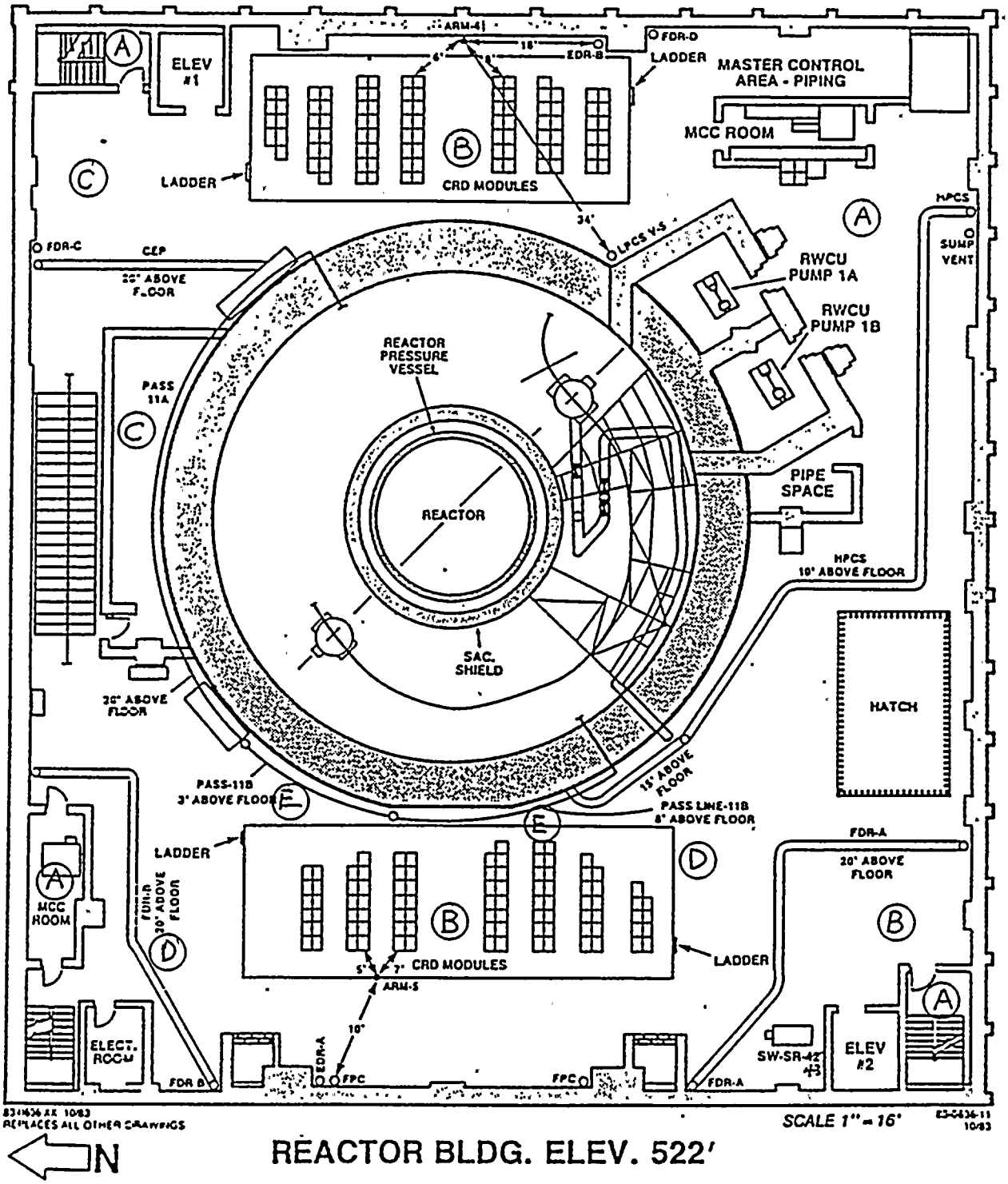
VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Direct Readings
Reactor Building 501' Elev.

Reactor Building Dose Rates and Contamination Levels

*Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B mr/hr	C (mr/hr)	D mr/hr	Contamination Level (cpm/mr/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr	D cpm	D mrad/hr
7:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
7:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
8:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
8:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
9:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
9:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
9:55	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
SCRAM @ 9:55 A.M. and Fuel Failuer Begins												
10:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
10:15	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
10:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
10:45	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
11:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
11:15	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
11:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
11:45	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
* NOTE: If PASS Sampling does not start by 12:35 hrs use 12:30 hrs readings												
12:00	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
12:15	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
12:30	0.1	2	10	40	100	0.001	100	0.001	100	0.001	100	0.001
12:35	0.1	2	*700	*175	100	0.001	100	0.001	100	0.001	100	0.001
12:45	0.1	2	670	165	100	0.001	100	0.001	100	0.001	100	0.001
13:00	0.1	2	640	160	100	0.001	100	0.001	100	0.001	100	0.001
13:15	0.1	2	610	150	100	0.001	100	0.001	100	0.001	100	0.001
13:30	0.1	2	580	145	100	0.001	100	0.001	100	0.001	100	0.001
13:45	0.1	2	550	135	100	0.001	100	0.001	100	0.001	100	0.001
14:00	0.1	2	520	130	100	0.001	100	0.001	100	0.001	100	0.001
14:15	0.1	2	490	120	100	0.001	100	0.001	100	0.001	100	0.001
14:30	0.1	2	460	115	100	0.001	100	0.001	100	0.001	100	0.001
14:45	0.1	2	430	110	100	0.001	100	0.001	100	0.001	100	0.001
15:00	0.1	2	400	100	100	0.001	100	0.001	100	0.001	100	0.001
16:00	0.1	2	285	65	100	0.001	100	0.001	100	0.001	100	0.001



REACTOR BLDG. ELEV. 522'

861025.18

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4h | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Direct Readings
Reactor Building 522' Elev.

Reactor Building Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B mr/hr	C (mr/hr)	D mr/hr	E mr/hr	Contamination Level (cpm/mr/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr	D cpm	D mrad/hr	E cpm	E mrad/hr
7:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
7:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
8:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
8:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
9:55	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
SCRAM @ 9:55 A.M. and Fuel Failuer Begins															
10:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
10:45	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
11:45	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
* NOTE: If PASS Sampling does not start by 12:35 hrs use 12:30 hrs readings															
12:00	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:15	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:30	0.1	2	10	40	2	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:35	0.1	2	1000	250	1250	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
12:45	0.1	2	955	240	1195	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:00	0.1	2	915	230	1140	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:15	0.1	2	870	215	1085	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:30	0.1	2	825	205	1030	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
13:45	0.1	2	790	195	985	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:00	0.1	2	745	185	930	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:15	0.1	2	710	175	885	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:30	0.1	2	665	165	830	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
14:45	0.1	2	630	155	785	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
15:00	0.1	2	585	145	730	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001
16:00	0.1	2	435	105	540	100	0.001	100	0.001	100	0.001	100	0.001	100	0.001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4i | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator), OSC with Field Teams

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

In-Plant Area Dose Rates-
Air Sample Results-TGBuilding in DPM

Reading on cartridge at in.

Time	Dpm on Filter for 100 ft^3 Sample	Dpm on Filter for 50 ft^3 Sample	Dpm on Filter for 25ft^3 Sample	mR/hr on Filter for 100 ft^3 Sample	mR/hr on Filter for 50 ft^3 Sample	mR/hr on Filter for 25ft^3 Sample	Dpm on Cartridge 100 ft^3 Sample	Dpm on Cartridge 50 ft^3 Sample	Dpm on Cartridge 25ft^3 Sample	mR/hr on Cartridge 100 ft^3 Sample	mR/hr on Cartridge 50 ft^3 Sample	mR/hr on Cartridge 25ft^3 Sample
7:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
7:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:55	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:05	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:10	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:11	7.51E+08	3.75E+08	1.88E+08	15013	7506	3753	1.43E+10	7.13E+09	3.57E+09	285239	142619	71310
10:15	6.00E+08	3.00E+08	1.50E+08	12007	6003	3002	1.14E+10	5.70E+09	2.85E+09	228127	114063	57032
10:20	6.89E+08	3.45E+08	1.72E+08	13781	6891	3445	1.31E+10	6.55E+09	3.27E+09	261840	130920	65460
10:25	5.78E+08	2.89E+08	1.45E+08	11561	5780	2890	1.10E+10	5.49E+09	2.75E+09	219657	109828	54914
10:30	4.47E+08	2.24E+08	1.12E+08	8945	4473	2236	8.50E+09	4.25E+09	2.12E+09	169960	84980	42490
10:35	3.45E+08	1.73E+08	8.63E+07	6905	3452	1726	6.56E+09	3.28E+09	1.64E+09	131188	65594	32797
10:40	2.74E+08	1.37E+08	6.85E+07	5477	2739	1369	5.20E+09	2.60E+09	1.30E+09	104068	52034	26017
10:45	2.24E+08	1.12E+08	5.59E+07	4475	2238	1119	4.25E+09	2.13E+09	1.06E+09	85027	42514	21257
10:50	1.79E+08	8.96E+07	4.48E+07	3585	1793	896	3.41E+09	1.70E+09	8.52E+08	68122	34061	17031
10:55	1.42E+08	7.08E+07	3.54E+07	2831	1415	708	2.69E+09	1.34E+09	6.72E+08	53780	26890	13445
11:00	9.94E+07	4.97E+07	2.49E+07	1988	994	497	1.89E+09	9.44E+08	4.72E+08	37777	18888	9444
11:15	4.00E+07	2.00E+07	1.00E+07	801	400	200	7.61E+08	3.80E+08	1.90E+08	15217	7608	3804
11:30	1.73E+07	8.66E+06	4.33E+06	346	173	87	3.29E+08	1.65E+08	8.23E+07	6582	3291	1645
11:45	7.28E+06	3.64E+06	1.82E+06	146	73	36	1.38E+08	6.92E+07	3.46E+07	2767	1384	692
12:00	3.01E+06	1.50E+06	7.52E+05	60	30	15	5.71E+07	2.86E+07	1.43E+07	1143	571	286
12:15	1.23E+06	6.13E+05	3.07E+05	25	12	6	2.33E+07	1.16E+07	5.82E+06	466	233	116
12:30	4.96E+05	2.48E+05	1.24E+05	10	5	2	9.42E+06	4.71E+06	2.36E+06	188	94	47
12:45	1.99E+05	9.96E+04	4.98E+04	4	2	1	3.79E+06	1.89E+06	9.46E+05	76	38	19
13:00	7.97E+04	3.98E+04	1.99E+04	2	1	0.40	1.51E+06	7.57E+05	3.79E+05	30	15	8
13:15	6.03E+04	3.01E+04	1.51E+04	1	0.60	0.30	1.15E+06	5.73E+05	2.86E+05	23	11	6
13:30	4.08E+04	2.04E+04	1.02E+04	0.82	0.41	0.20	7.76E+05	3.88E+05	1.94E+05	16	8	4
13:45	2.14E+04	1.07E+04	5.35E+03	0.43	0.21	Bkgd	4.07E+05	2.03E+05	1.02E+05	8	4	2
14:00	1.98E+03	9.92E+02	4.96E+02	Bkgd	Bkgd	Bkgd	3.77E+04	1.89E+04	9.43E+03	0.75	0.38	0.19
14:15	1.50E+03	7.48E+02	3.74E+02	Bkgd	Bkgd	Bkgd	2.84E+04	1.42E+04	7.11E+03	0.57	0.28	0.14
14:30	1.01E+03	5.04E+02	2.52E+02	Bkgd	Bkgd	Bkgd	1.92E+04	9.58E+03	4.79E+03	0.38	0.19	0.10
14:45	5.20E+02	2.60E+02	1.30E+02	Bkgd	Bkgd	Bkgd	9.88E+03	4.94E+03	2.47E+03	0.20	0.10	Bkgd
15:00	3.18E+01	1.59E+01	7.96E+00	Bkgd	Bkgd	Bkgd	6.05E+02	3.03E+02	1.51E+02	Bkgd	Bkgd	Bkgd
16:00	Concentrations as found from actual air samples in the Turbine Generator Building from 1500 hours until Exercise90 is terminated.											

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4j | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator), OSC with Field Teams

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

In-Plant Area Dose Rates-
Air Sample Results-TGBuilding Concentration(uCi/c)

	DPM & mR/hr on Cartridge from Iodines				DPM on Cartridge Due to N. G.		Total N. G. Beta Emitters	Turbine Generator Building Radioiodines Concentration Actual at TimesGiven Reflecting Plateout				
	Dpm on Filter fo 10 ft^3	mR/hr on Filter f 10 ft^3	Dpm on Cartridge 10 ft^3	mR/hr on Cartridge 10 ft^3	Dpm on Filter fo 10 ft^3	mR/hr on Filter for 10 ft^3		I-131	I-132	I-133	I-134	I-135
Time	Sample	Sample	Sample	Sample	Sample	Sample	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
7:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
7:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:55	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:05	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:10	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:11	7.51E+07	1501	1.43E+09	28524	8.12E+08	812	1.85E-01	2.71E-03	3.94E-03	5.70E-03	6.18E-03	5.35E-03
10:15	6.00E+07	1201	1.14E+09	22813	5.53E+08	553	1.26E-01	2.21E-03	3.14E-03	4.63E-03	4.78E-03	4.33E-03
10:20	6.89E+07	1378	1.31E+09	26184	5.60E+08	560	1.27E-01	2.59E-03	3.60E-03	5.43E-03	5.25E-03	5.04E-03
10:25	5.78E+07	1156	1.10E+09	21966	4.36E+08	436	9.90E-02	2.22E-03	3.01E-03	4.64E-03	4.22E-03	4.29E-03
10:30	4.47E+07	895	8.50E+08	16996	3.22E+08	322	7.32E-02	1.76E-03	2.32E-03	3.66E-03	3.12E-03	3.36E-03
10:35	3.45E+07	690	6.56E+08	13119	2.41E+08	241	5.48E-02	1.39E-03	1.79E-03	2.88E-03	2.31E-03	2.63E-03
10:40	2.74E+07	548	5.20E+08	10407	1.87E+08	187	4.26E-02	1.12E-03	1.41E-03	2.33E-03	1.75E-03	2.11E-03
10:45	2.24E+07	448	4.25E+08	8503	1.51E+08	151	3.43E-02	9.35E-04	1.15E-03	1.93E-03	1.36E-03	1.74E-03
10:50	1.79E+07	359	3.41E+08	6812	1.20E+08	120	2.73E-02	7.63E-04	9.12E-04	1.57E-03	1.04E-03	1.41E-03
10:55	1.42E+07	283	2.69E+08	5378	9.42E+07	94	2.14E-02	6.14E-04	7.15E-04	1.26E-03	7.85E-04	1.12E-03
11:00	9.94E+06	199	1.89E+08	3778	7.33E+07	73	1.67E-02	4.39E-04	4.99E-04	9.01E-04	5.26E-04	7.98E-04
11:15	4.00E+06	80	7.61E+07	1522	3.33E+07	33	7.57E-03	1.86E-04	1.96E-04	3.79E-04	1.83E-04	3.30E-04
11:30	1.73E+06	35	3.29E+07	658	1.46E+07	15	3.32E-03	8.43E-05	8.25E-05	1.70E-04	6.81E-05	1.46E-04
11:45	7.28E+05	15	1.38E+07	277	6.23E+06	6	1.42E-03	3.70E-05	3.36E-05	7.43E-05	2.45E-05	6.23E-05
12:00	3.01E+05	6.01	5.71E+06	114	2.61E+06	3	5.94E-04	1.59E-05	1.34E-05	3.17E-05	8.65E-06	2.61E-05
12:15	1.23E+05	2.45	2.33E+06	47	1.08E+06	1	2.46E-04	6.72E-06	5.25E-06	1.33E-05	3.00E-06	1.08E-05
12:30	4.96E+04	0.99	9.42E+05	19	4.45E+05	0.44	1.01E-04	2.81E-06	2.04E-06	5.51E-06	1.03E-06	4.38E-06
12:45	1.99E+04	0.40	3.79E+05	8	1.81E+05	0.18	4.12E-05	1.16E-06	7.83E-07	2.27E-06	3.51E-07	1.77E-06
13:00	7.97E+03	0.16	1.51E+05	3	7.34E+04	Bkgd	1.67E-05	4.80E-07	2.99E-07	9.27E-07	1.19E-07	7.11E-07
13:15	6.03E+03	Bkgd	1.15E+05	2	5.55E+04	Bkgd	1.26E-05	3.63E-07	2.26E-07	7.02E-07	8.94E-08	5.38E-07
13:30	4.08E+03	Bkgd	7.76E+04	2	3.77E+04	Bkgd	8.56E-06	2.46E-07	1.52E-07	4.76E-07	6.01E-08	3.64E-07
13:45	2.14E+03	Bkgd	4.07E+04	1	1.98E+04	Bkgd	4.50E-06	1.30E-07	7.93E-08	2.50E-07	3.08E-08	1.91E-07
14:00	1.98E+02	Bkgd	3.77E+03	Bkgd	1.91E+03	Bkgd	4.35E-07	1.32E-08	6.08E-09	2.47E-08	1.48E-09	1.76E-08
14:15	1.50E+02	Bkgd	2.84E+03	Bkgd	1.44E+03	Bkgd	3.28E-07	9.94E-09	4.58E-09	1.87E-08	1.11E-09	1.33E-08
14:30	1.01E+02	Bkgd	1.92E+03	Bkgd	9.72E+02	Bkgd	2.21E-07	6.70E-09	3.08E-09	1.26E-08	7.47E-10	8.96E-09
14:45	5.20E+01	Bkgd	9.88E+02	Bkgd	5.02E+02	Bkgd	1.14E-07	3.47E-09	1.58E-09	6.50E-09	3.79E-10	4.62E-09
15:00	3.18E+00	Bkgd	6.05E+01	Bkgd	3.19E+01	Bkgd	7.24E-09	2.29E-10	7.83E-11	4.17E-10	1.17E-11	2.77E-10
16:00	Concentrations as found from actual air samples in the Turbine Generator Building from 1500 hours until Exercise 90 is terminated.											

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4k | RESPONSIBLE CONTROLLER (LOCATION) OSC with RentryTeams, Plant Lab

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
In Plant Area Dose Rates-Turbine Gen. Bldg
Air Sample Concentrations-SR-38
Radwaste Building-525' Elev.

		Reactor Building Radioiodine Concentration Actual at Times Given Reflecting Plateout					Sample Flow				Cartridge		Filter
		I131	I132	I133	I134	I135	REA SR-38	Curies Iodine on	Curies(C) Iodine on	DPM on	R/hr @	R/hr at	Rad/hr @ 1
Time	Min.	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	CFM	Filter	Cartridge	Filter	1 ft	1 inch	inch
7:00	-175	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
7:30	-180	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:00	-120	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:30	-90	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:00	-60	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:30	-30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:55	-15	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:00	-10	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:05	-5	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:10	0	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	2.3	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:11	1	2.71E-03	3.94E-03	5.70E-03	6.18E-03	5.35E-03	2.3	1.40E-04	1.40E-03	3.11E+08	5.59E-03	1	6
10:15	5	2.21E-03	3.14E-03	4.63E-03	4.78E-03	4.33E-03	2.3	7.00E-04	7.00E-03	1.55E+09	2.79E-02	4	31
10:20	10	2.59E-03	3.60E-03	5.43E-03	5.25E-03	5.04E-03	2.3	1.98E-03	1.98E-02	4.41E+09	7.92E-02	11	88
10:25	15	2.22E-03	3.01E-03	4.64E-03	4.22E-03	4.29E-03	2.3	3.60E-03	3.60E-02	8E+09	1.44E-01	21	160
10:30	20	1.76E-03	2.32E-03	3.66E-03	3.12E-03	3.36E-03	2.3	5.27E-03	5.27E-02	1.17E+10	2.10E-01	30	234
10:35	25	1.39E-03	1.79E-03	2.88E-03	2.31E-03	2.63E-03	2.3	6.88E-03	6.88E-02	1.53E+10	2.74E-01	40	305
10:40	30	1.12E-03	1.41E-03	2.33E-03	1.75E-03	2.11E-03	2.3	8.41E-03	8.41E-02	1.87E+10	3.36E-01	48	373
10:45	35	9.35E-04	1.15E-03	1.93E-03	1.36E-03	1.74E-03	2.3	9.87E-03	9.87E-02	2.19E+10	3.94E-01	57	438
10:50	40	7.63E-04	9.12E-04	1.57E-03	1.04E-03	1.41E-03	2.3	1.12E-02	1.12E-01	2.49E+10	4.47E-01	64	498
10:55	45	6.14E-04	7.15E-04	1.26E-03	7.85E-04	1.12E-03	2.3	1.24E-02	1.24E-01	2.75E+10	4.95E-01	71	550
11:00	50	4.39E-04	4.99E-04	9.01E-04	5.26E-04	7.98E-04	2.3	1.33E-02	1.33E-01	2.96E+10	5.32E-01	77	592
11:15	65	1.86E-04	1.96E-04	3.79E-04	1.83E-04	3.30E-04	2.3	1.38E-02	1.38E-01	3.07E+10	5.51E-01	79	613
11:30	80	8.43E-05	8.25E-05	1.70E-04	6.81E-05	1.46E-04	2.3	1.41E-02	1.41E-01	3.12E+10	5.61E-01	81	625
11:45	95	3.70E-05	3.36E-05	7.43E-05	2.45E-05	6.23E-05	2.3	1.42E-02	1.42E-01	3.15E+10	5.66E-01	82	630
12:00	110	1.59E-05	1.34E-05	3.17E-05	8.65E-06	2.61E-05	2.3	1.43E-02	1.43E-01	3.17E+10	5.69E-01	82	633
12:15	125	6.72E-06	5.25E-06	1.33E-05	3.00E-06	1.08E-05	2.3	1.43E-02	1.43E-01	3.17E+10	5.70E-01	82	634
12:30	140	2.81E-06	2.04E-06	5.51E-06	1.03E-06	4.38E-06	2.3	1.43E-02	1.43E-01	3.17E+10	5.71E-01	82	635
12:45	155	1.16E-06	7.83E-07	2.27E-06	3.51E-07	1.77E-06	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
13:00	170	4.80E-07	2.99E-07	9.27E-07	1.19E-07	7.11E-07	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
13:15	185	3.63E-07	2.26E-07	7.02E-07	8.94E-08	5.38E-07	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
13:30	200	2.46E-07	1.52E-07	4.76E-07	6.01E-08	3.64E-07	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
13:45	215	1.30E-07	7.93E-08	2.50E-07	3.08E-08	1.91E-07	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
14:00	230	1.32E-08	6.08E-09	2.47E-08	1.48E-09	1.76E-08	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
14:15	245	9.94E-09	4.58E-09	1.87E-08	1.11E-09	1.33E-08	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
14:30	260	6.70E-09	3.08E-09	1.26E-08	7.47E-10	8.96E-09	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
14:45	275	3.47E-09	1.58E-09	6.50E-09	3.79E-10	4.62E-09	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
15:00	290	2.29E-10	7.83E-11	4.17E-10	1.17E-11	2.77E-10	2.3	1.43E-02	1.43E-01	3.18E+10	5.71E-01	82	635
		Concentrations as found from actual air samples in the Turbine Generator Building											
16:00	305	from 1500 hours until Exercise 90 is terminated.											

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 41 | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator), OSC with Field Teams

VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

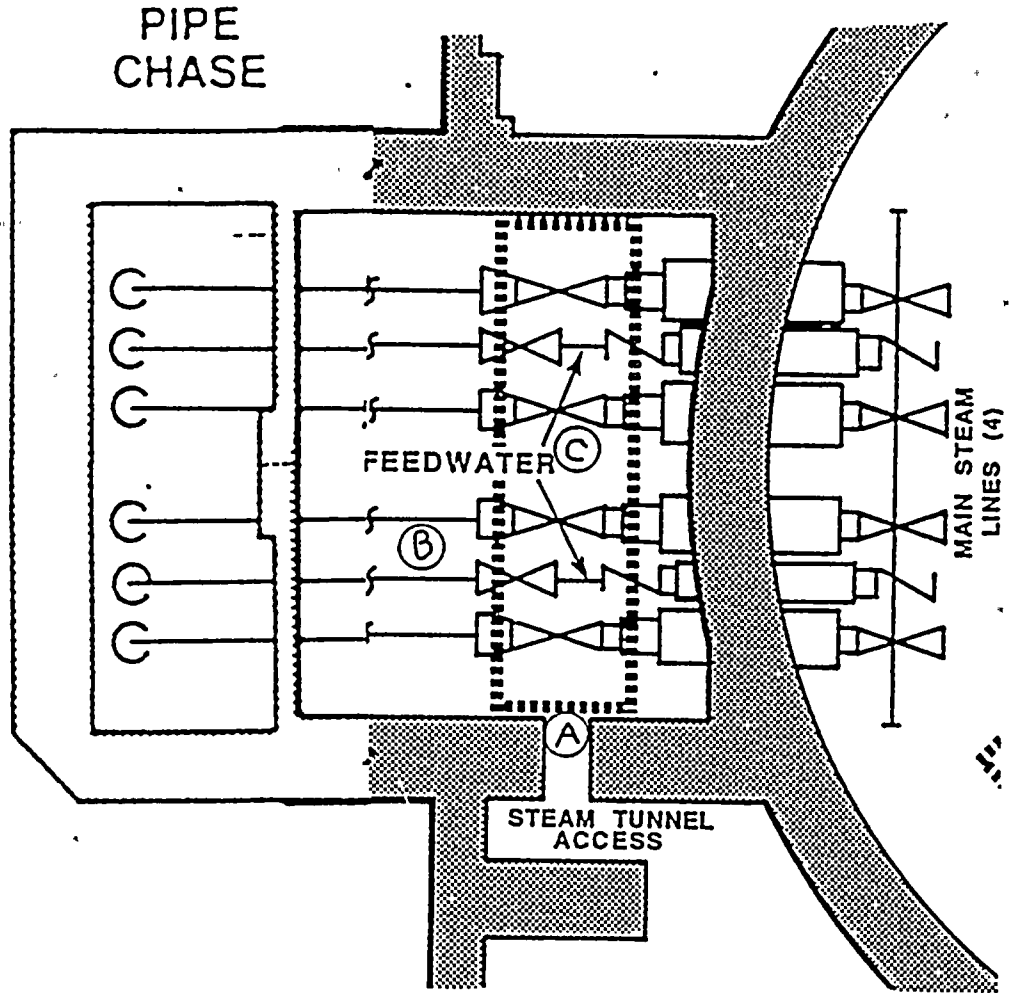
ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

In-Plant Area Dose Rates-
Air Sample Results-OSC & PAP

Reading on cartridge @1 in.

Time	Dpm on Filter fo 100 ft^3 Sample	Dpm on Filter fo 50 ft^3 Sample	Dpm on Filter fo 25ft^3 Sample	mR/hr on Filter f 100 ft^3 Sample	mR/hr on Filter f 50 ft^3 Sample	mR/hr on Filter for 25ft^3 Sample	Dpm on Cartridge 100 ft^3 Sample	Dpm on Cartridge 50 ft^3 Sample	Dpm on Cartridge 25ft^3 Sample	mR/hr on Cartridge 100 ft^3 Sample	mR/hr on Cartridge 50 ft^3 Sample	mR/hr on Cartridge 25ft^3 Sample
7:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
7:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
8:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:30	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
9:55	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:00	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:05	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:10	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd
10:11	7.51E+02	3.75E+02	1.88E+02	0.02	0.01	Bkgd	1.43E+04	7.13E+03	3.57E+03	0.29	0.14	0.07
10:15	6.00E+02	3.00E+02	1.50E+02	0.01	0.01	Bkgd	1.14E+04	5.70E+03	2.85E+03	0.23	0.11	0.06
10:20	6.89E+02	3.45E+02	1.72E+02	0.01	Bkgd	Bkgd	1.31E+04	6.55E+03	3.27E+03	0.26	0.13	0.07
10:25	5.78E+02	2.89E+02	1.45E+02	0.01	Bkgd	Bkgd	1.10E+04	5.49E+03	2.75E+03	0.22	0.11	0.05
10:30	4.47E+02	2.24E+02	1.12E+02	0.01	Bkgd	Bkgd	8.50E+03	4.25E+03	2.12E+03	0.17	0.08	0.04
10:35	3.45E+02	1.73E+02	8.63E+01	Bkgd	Bkgd	Bkgd	6.56E+03	3.28E+03	1.64E+03	0.13	0.07	0.03
10:40	2.74E+02	1.37E+02	6.85E+01	Bkgd	Bkgd	Bkgd	5.20E+03	2.60E+03	1.30E+03	0.10	0.05	0.03
10:45	2.24E+02	1.12E+02	5.59E+01	Bkgd	Bkgd	Bkgd	4.25E+03	2.13E+03	1.06E+03	0.09	0.04	0.02
10:50	1.79E+02	8.96E+01	4.48E+01	Bkgd	Bkgd	Bkgd	3.41E+03	1.70E+03	8.52E+02	0.07	0.03	0.02
10:55	1.42E+02	7.08E+01	3.54E+01	Bkgd	Bkgd	Bkgd	2.69E+03	1.34E+03	6.72E+02	0.05	0.03	0.01
11:00	The air sample concentrations for the OSC & PAP will be as found from 1100 hours until											
11:15	the exercise is terminated,as no activity is added by the accident.											
11:30												
11:45												
12:00												
12:15												
12:30												
12:45												
13:00												
13:15												
13:30												
13:45												
14:00												
14:15												
14:30												
14:45												
15:00												
16:00												



STEAM
TUNNEL

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 4e | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

Direct Readings--Reactor Building Steam Tunnel 501' Elev.

Reactor Building Steam Tunnel Dose Rates and Contamination Levels

Time	WB Dose Rate (mr/hr) Area A (mr/hr)	B (mr/hr)	C (mr/hr)	Contamination Level (cpm/mrad/hr) Area A cpm	A mrad/hr	B cpm	B mrad/hr	C cpm	C mrad/hr
7:00	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
7:30	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
8:00	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
8:30	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
9:00	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
9:30	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
9:55	750	1000	1.00E+03	8500	1.70	9500	1.90	10800	2.16
SCRAM @ 9:55 A.M. and Fuel Failuer Begins									
9:56	4.05E+02	2.57E+03	2.70E+03	8500	1.70	9500	1.90	10800	2.16
9:57	4.81E+02	3.04E+03	3.20E+03	8500	1.70	9500	1.90	10800	2.16
9:58	4.73E+02	2.99E+03	3.15E+03	8500	1.70	9500	1.90	10800	2.16
9:59	5.37E+02	1.25E+03	3.58E+03	8500	1.70	9500	1.90	10800	2.16
10:00	6.01E+02	1.40E+03	4.01E+03	8500	1.70	9500	1.90	10800	2.16
10:05	6.66E+02	1.55E+03	4.44E+03	8500	1.70	9500	1.90	10800	2.16
10:10	7.80E+03	1.82E+04	5.20E+04	8500	1.70	9500	1.90	10800	2.16
10:11	9.36E+03	2.18E+04	6.24E+04	8500	1.70	9500	1.90	10800	2.16
10:12	1.24E+05	2.89E+05	8.26E+05	8700	1.74	9700	1.94	11000	2.20
10:13	1.16E+05	2.72E+05	7.76E+05	9200	1.84	10200	2.04	11500	2.30
10:14	1.14E+05	2.65E+05	7.58E+05	9250	1.85	10250	2.05	11550	2.31
10:15	1.11E+05	2.59E+05	7.41E+05	9700	1.94	10700	2.14	12000	2.40
10:20	9.82E+04	2.29E+05	6.55E+05	9800	1.96	10800	2.16	12100	2.42
10:25	9.57E+04	2.23E+05	6.38E+05	9850	1.97	10850	2.17	12150	2.43
10:30	7.93E+04	1.85E+05	5.29E+05	10000	2.00	11000	2.20	12300	2.46
10:45	3.05E+04	7.11E+04	2.03E+05	10050	2.01	11050	2.21	12350	2.47
11:00	1.42E+04	3.32E+04	9.50E+04	10950	2.19	11950	2.39	13250	2.65
11:15	8.48E+03	1.98E+04	5.65E+04	11200	2.24	12200	2.44	13500	2.70
11:30	2.68E+03	6.25E+03	1.78E+04	11250	2.25	12250	2.45	13550	2.71
11:45	1.13E+03	2.63E+03	7.50E+03	11200	2.24	12200	2.44	13500	2.70
12:00	9.03E+02	2.11E+03	6.02E+03	11200	2.24	12200	2.44	13500	2.70
12:15	6.80E+02	1.59E+03	4.54E+03	11200	2.24	12200	2.44	13500	2.70
12:30	4.58E+02	1.07E+03	3.05E+03	11200	2.24	12200	2.44	13500	2.70
12:45	2.35E+02	5.49E+02	1.57E+03	11050	2.21	12050	2.41	13350	2.67
13:00	1.25E+01	2.91E+01	8.30E+01	11000	2.20	12000	2.40	13300	2.66
13:15	1.21E+01	2.83E+01	8.08E+01	10950	2.19	11950	2.39	13250	2.65
13:30	1.21E+01	2.83E+01	8.08E+01	10700	2.14	11700	2.34	13000	2.60
13:45	1.21E+01	2.83E+01	8.08E+01	10700	2.14	11700	2.34	13000	2.60
14:00	1.21E+01	2.83E+01	8.08E+01	10700	2.14	11700	2.34	13000	2.60
14:15	1.21E+01	2.83E+01	8.08E+01	10700	2.14	11700	2.34	13000	2.60
14:30	1.21E+01	2.83E+01	8.08E+01	10700	2.14	11700	2.34	13000	2.60
14:45	1.15E+01	2.68E+01	7.65E+01	10700	2.14	11700	2.34	13000	2.60
15:00	1.15E+01	2.68E+01	7.65E+01	10200	2.04	11200	2.24	12500	2.50
16:00	1.15E+01	2.68E+01	7.65E+01	8700	1.74	9700	1.94	11000	2.20

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
4n	CR (Simulator)

VALID FOR TIMES OF:							
REAL TIME	7:00 ☐AM ☐PM	TO	16:00	☐AM ☐PM	DRILL TIME	0:00 HOURS	TO 9:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Direct Readings-- All Areas of RB Not Previously Covered

Reactor Building Dose Rates and Contamination Levels

WB Dose Rate (mr/hr)

Area A	Area B	Area C

Contamination Level (cpm/mrad/hr)

Area A	Area B	Area C

All Radiation Levels Are AS Found

All Contamination Levels Are As Found

NOTE: This data is for all areas of the Reactor Building not covered by SPECIFIC data sheets!!

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE ____ of ____
.T NO.	RESPONSIBLE CONTROLLER (LOCATION)

VALID FOR TIMES OF:
REAL TIME ☐ AM ☐ PM TO ☐ AM ☐ PM
DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO

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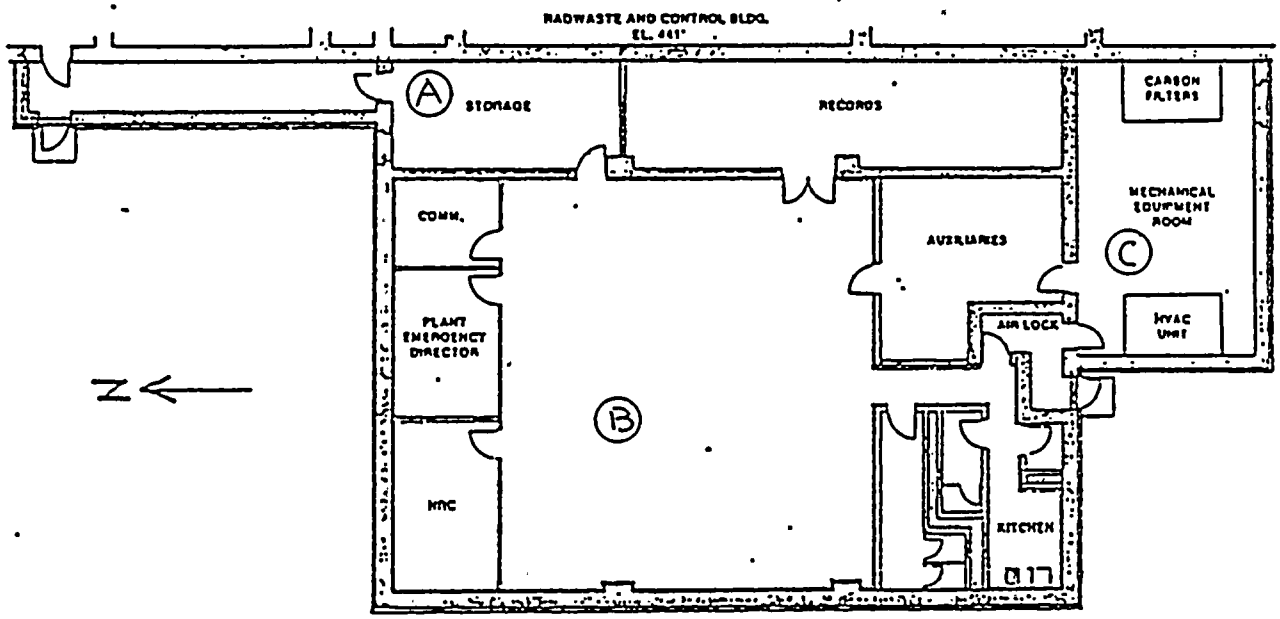
RADWASTE AND CONTROL BLDG.
EL. 441'
A
STORAGE
RECORDS
CARBON FILTERS
COMM.
AUXILIARIES
MECHANICAL EQUIPMENT ROOM
C
PLANT EMERGENCY DIRECTOR
AIR LOCK
HVAC UNIT
N
B
HMC
KITCHEN
117

TSC, 441' EL.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO. Exercise-90	PAGE ____ of ____
SET NO. 4o	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)
VALID FOR TIMES OF: REAL TIME 7:00 ☐ AM ☐ PM TO 16:00 ☐ AM ☐ PM	DRILL TIME 0:00 HOURS TO 9:00 HOURS
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Direct Readings--Technical Support Center (TSC) & Air Sample Results

Tecnical Support Center Dose Rates and Contamination Levels

WB Dose Rate (mr/hr) Area		
A	B	C

Contamination Level (cpm/mrad/hr) Area		
A	B	C

All Radiation Levels Are AS Found for All Times

All Comtamination Levels Are As Found for All Times

Air Sample Results

The air sample concentrations for the TSC will be as found as no activity is addedby the accident.

NOTE: This data is for all areas of the Technical Support Center.

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SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE ____ of ____
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)

VALID FOR TIMES OF:

REAL TIME ☐ AM ☐ PM TO ☐ AM ☐ PM

DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
5	OSC with Field Teams, Field Teams

VALID FOR TIMES OF:					
REAL TIME	7:00 ☐ AM ☐ PM	TO	16:00 ☐ AM ☐ PM	DRILL TIME	0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Dose Rates in Plant Vicinity- Sky Shine

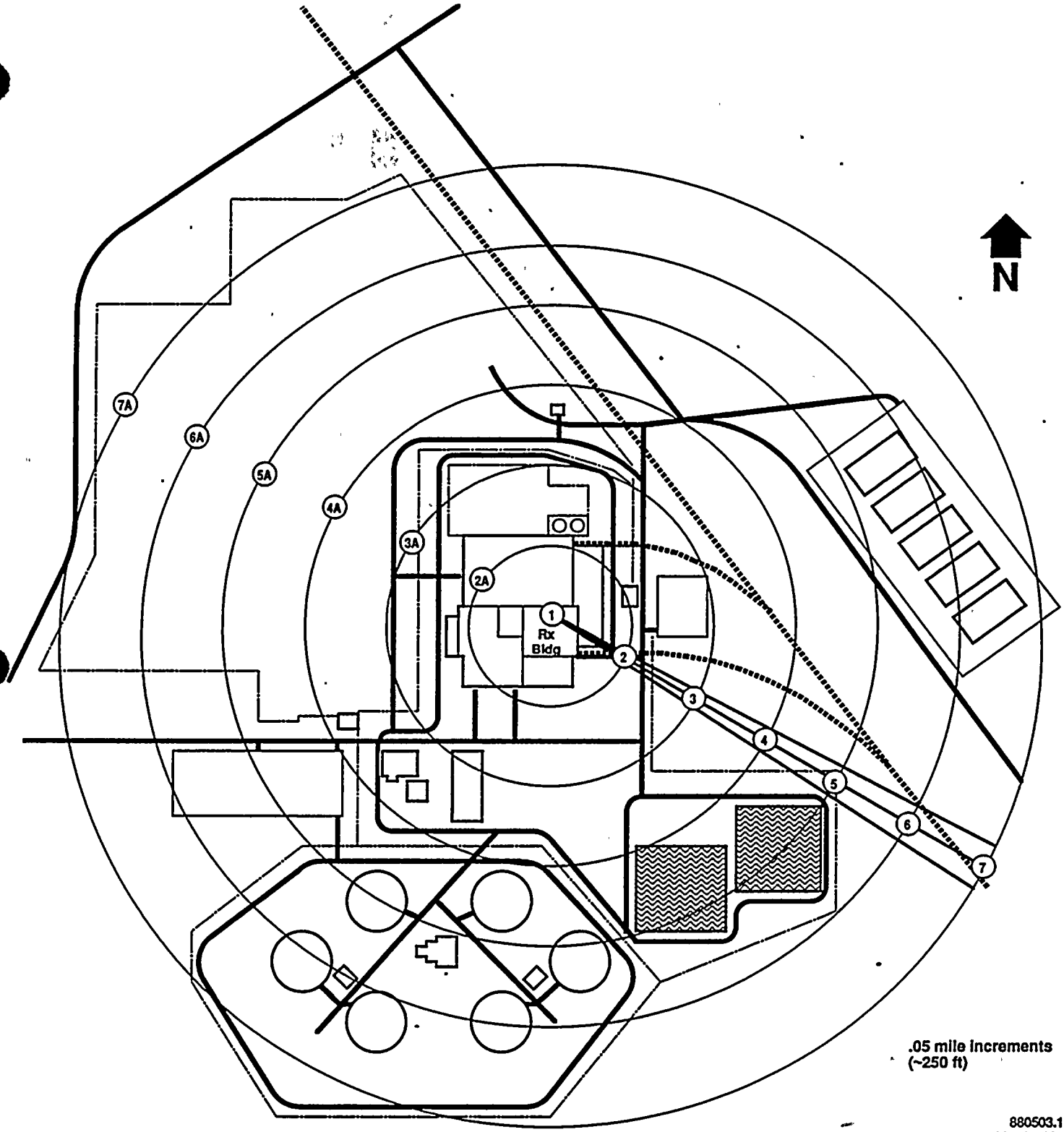
A. Instructions:

1. Dose ratesin the Plume: Use the table reading for the time and centerline point. Interpolate proximity to centerline.

2. Dose rates due to Sky Shine: Use the table for the time and area outside of the Plume.

B. Dose Rate Table:

	Plume Dose Rate (mR/hr) Centerline Point							Sky Shine Dose Rate (mR/hr) Area					
Time	1	2	3	4	5	6	7	2A	3A	4A	5A	6A	7A
7:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
7:30	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
8:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
8:30	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
9:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
9:30	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
10:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
10:10	226	84.6	27.1	32	38.2	46.4	56.4	15.04	0.21	Bkd	Bkd	Bkd	Bkd
10:15	162	60.7	19.4	22.76	27.4	33.3	40.5	10.79	0.15	Bkd	Bkd	Bkd	Bkd
10:25	98.1	36.8	11.8	13.8	16.6	20.2	24.5	6.54	0.09	Bkd	Bkd	Bkd	Bkd
10:30	69.1	25.9	8.3	9.72	11.7	14.2	17.3	4.61	0.07	Bkd	Bkd	Bkd	Bkd
10:40	40.2	15.1	4.84	5.64	6.8	8.28	10	2.68	0.04	Bkd	Bkd	Bkd	Bkd
10:45	29	10.9	3.5	4.084	4.92	5.99	7.26	1.94	0.03	Bkd	Bkd	Bkd	Bkd
10:55	17.9	6.72	2.16	2.528	3.04	3.7	4.48	1.19	Bkd	Bkd	Bkd	Bkd	Bkd
11:00	13.2	4.97	1.59	1.867	2.25	2.73	3.31	0.883	Bkd	Bkd	Bkd	Bkd	Bkd
11:15	11.7	4.38	1.41	1.646	1.98	2.41	2.92	0.779	Bkd	Bkd	Bkd	Bkd	Bkd
11:25	10.9	4.09	1.31	1.536	1.85	2.25	2.73	0.727	Bkd	Bkd	Bkd	Bkd	Bkd
11:30	4.86	1.82	0.58	0.685	0.83	1	1.22	0.324	Bkd	Bkd	Bkd	Bkd	Bkd
11:45	2.85	1.07	0.34	0.401	0.48	0.59	0.71	0.19	Bkd	Bkd	Bkd	Bkd	Bkd
11:55	1.84	0.69	0.22	0.259	0.31	0.38	0.46	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
12:00	1.54	0.58	0.18	0.22	0.26	0.32	0.38	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
12:15	1.24	0.46	0.15	0.17	0.21	0.26	0.31	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
12:30	0.94	0.35	0.11	0.13	0.16	0.19	0.23	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
12:45	0.64	0.24	0.08	0.09	0.11	0.13	0.16	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
12:55	0.34	0.13	0.04	0.05	0.06	0.07	0.08	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
13:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
13:15	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
13:30	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
13:45	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
14:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
14:15	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
14:30	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
14:45	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
15:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd
16:00	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd	Bkd



.05 mile increments
(~250 ft)

880503.1
March 1990

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
6	ALL

VALID FOR TIMES OF:
REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM
DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
METEOROLOGICAL DATA INDEX

DATA SHEET	ITEM
6a	Weather Forecast
6b	Stability Classification Table
6c	Met Tower Data (Primary & Backup)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise -90	PAGE ____ of ____
SHEET NO. 6a	RESPONSIBLE CONTROLLER (LOCATION) Control Room (Simulator), HUDAC & TSC

VALID FOR TIMES OF: REAL TIME	7:00	☐ AM ☐ PM	TO	16:00	☐ AM ☐ PM	DRILL TIME 0:00 HOURS	TO 9:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO Meteorological Data - Weather Forecast

A. Forecast. 0700-1700

Walla Walla Valley forecast valid until 6:00 p.m. PDT, September 11, 1990, from the National Service in Pendelton, OR (or Seattle, Washington) as of 6:00 a.m. PDT September 11, 1990.

The 0700 hours temperature this morning is expected to be in the 55-60 degree range with warming into the high 70 degree range by early afternoon. The winds will be light northwesterly, fairly stable and in the 2-4 mph range for most of the day.

Some light haze is expected as our area weather is dominated by a high pressure ridge aloft. A sunny and pleasant day is expected, good for being outdoors.

A one day look ahead shows essentially the same weather pattern for tomorrow. Little change in the weather is also expected for the remainder of the week.

B. Controller Information

NOTE: For CONTROLLERS-- If Battelle is called for the weather, use the backup data from Sheet 6c.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	Exercise -90	PAGE ____ of ____
SHEET NO. 6b	RESPONSIBLE CONTROLLER (LOCATION) Control Room (Simulator), MUDAC & TSC	

VALID FOR TIMES OF:							
REAL TIME	7:00	☐ AM ☐ PM	TO	17:00	☐ AM ☐ PM	DRILL TIME	0:00 HOURS TO 7:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Meteorological Data - Stability Classification Table

A. Stability Class vs $\Delta T/\Delta z$ signal

Stability Classification	Pasquill Categories	Temperature Change With Height (Degrees C/100m
Extremely Unstable	A	$\Delta T/\Delta z$ -1.9
Moderately unstable	B	-1.9 $\Delta T/\Delta z$ -1.7
Slightly unstable	C	-1.7 $\Delta T/\Delta z$ -1.5
Neutral	D	-1.5 $\Delta T/\Delta z$ -0.5
Slightly stable	E	-0.5 $\Delta T/\Delta z$ 1.5
Moderately stable	F	1.5 $\Delta T/\Delta z$ 4
Extremely stable	G	4 $\Delta T/\Delta z$

B. Stability Class vs.Sigma Theta Signal

Stability Classification	Pasquill Categories	(Degrees)
Extremely Unstable	A	sigma theta $\geq$ 22.5
Moderately unstable	B	22.5 > sigma theta $\geq$ 17.5
Slightly unstable	C	17.5 > sigma theta $\geq$ 12.5
Neutral	D	12.5 > sigma theta $\geq$ 7.5
Slightly stable	E	7.5 > sigma theta $\geq$ 3.8
Moderately stable	F	3.8 > sigma theta $\geq$ 2.1
Extremely stable	G	2.1 > sigma theta

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise -90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
6c	Control Room (Simulator), MUDAC & TSC

VALID FOR TIMES OF:							
REAL TIME	7:00 ☐ AM ☐ PM	TO	17:00 ☐ AM ☐ PM	DRILL TIME	0:00 HOURS	TO	7:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Meteorological Data - Tower Readings (Primary & Backup)

Primary Met Tower Readings

Time	Wind Speed (MPH)	Wind Direction From Degrees	Pasquill Category	Delta T ΔT/Δz Degrees C/100m	Sigma Theta (Degrees)	Temp. Degrees C	Stability Classification
0700-0800	4	296-303	E	0.7	7	18.33	Slightly Stable
0800-0900	4	296-303	E	0.7	7	20	Slightly Stable
0900-1000	3	296-302	E	0.8	6	21.11	Slightly Stable
1000-1100	3	297-303	E	0.8	6	22.22	Slightly Stable
1100-1200	3	297-302	E	0.9	5	23.89	Slightly Stable
1200-1300	3	296-302	E	0.8	6	25.56	Slightly Stable
1300-1400	3	296-301	E	0.9	5	26.67	Slightly Stable
1400-1500	3	297-302	E	0.9	5	26.67	Slightly Stable
1500-1600	3	298-303	E	0.9	5	25.56	Slightly Stable
1600-1700	3	297-303	E	0.8	6	21.11	Slightly Stable

Backup Met Tower Readings

Time	Wind Speed (MPH)	Wind Direction From Degrees	Pasquill Category	Delta T ΔT/Δz Degrees C/100m	Sigma Theta (Degrees)	Temp. Degrees C	Stability Classification
0700-0800	4	297-304	E	0.7	7	18.33	Slightly Stable
0800-0900	4	296-302	E	0.8	6	20	Slightly Stable
0900-1000	3	297-302	E	0.7	5	21.11	Slightly Stable
1000-1100	3	297-303	E	0.8	6	22.22	Slightly Stable
1100-1200	3	297-302	E	0.9	5	23.89	Slightly Stable
1200-1300	3	296-303	E	0.8	7	25.56	Slightly Stable
1300-1400	3	297-302	E	0.8	5	26.67	Slightly Stable
1400-1500	3	298-304	E	0.9	6	26.67	Slightly Stable
1500-1600	3	298-303	E	0.9	5	25.56	Slightly Stable
1600-1700	3	297-303	E	0.8	6	21.11	Slightly Stable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
7	ALL

VALID FOR TIMES OF: ☐ AM ☐ PM

REAL TIME 0700 TO 1600 ☐ AM ☐ PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

FIELD TEAM DATA INDEX

DATA SHEET	ITEM
7a	Direct Readings
7b	Detailed Direct Readings (Full Set to be issued to Field Team Controllers only)
7c	Air Sample Results (Field Teams)
7d	Plume Dose and Dose Rates
7e	Vehicle and Personnel Contamination

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
7a	ALL

VALID FOR TIMES OF:

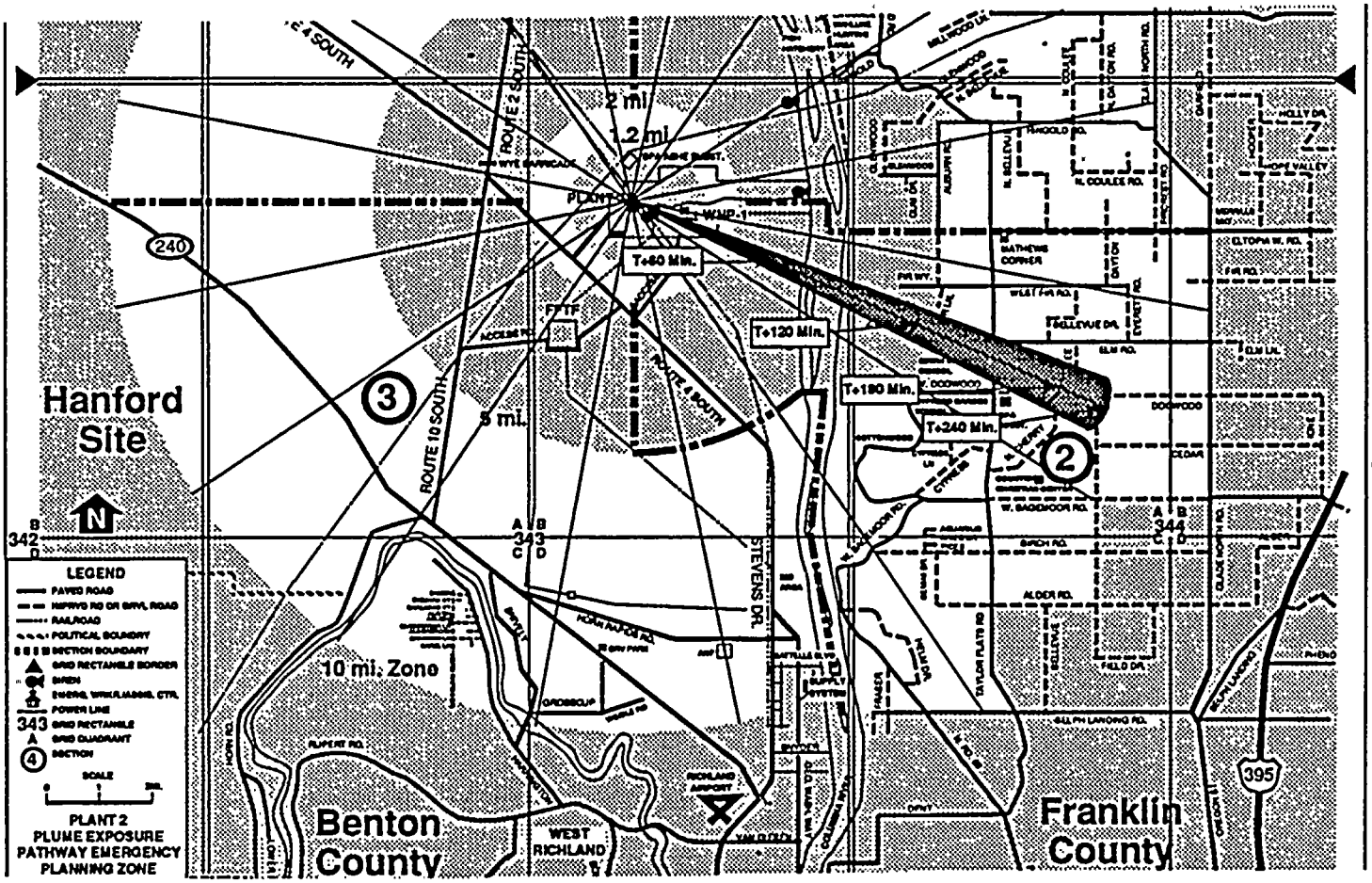
REAL TIME 0700 ☐AM ☐PM TO 1600 ☐AM ☐PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

FIELD TEAM DATA
DIRECT READINGS



Time (T+Min)	Leading Edge (Miles)	Distance (Miles)	Reading mR/hr WC
60	3	1.2	31
		3.0	116
120	6	4	.37
		6	67
180	9	5	.11
		9	49
240	10	7	1
		10	45

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

S[redacted]NO.	RESPONSIBLE CONTROLLER (LOCATION)
7b	ALL

VALID FOR TIMES OF:

REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM

DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

FIELD TEAM DATA
DETAILED DIRECT READINGS

TO BE ISSUED TO FIELD TEAM CONTROLLERS ONLY

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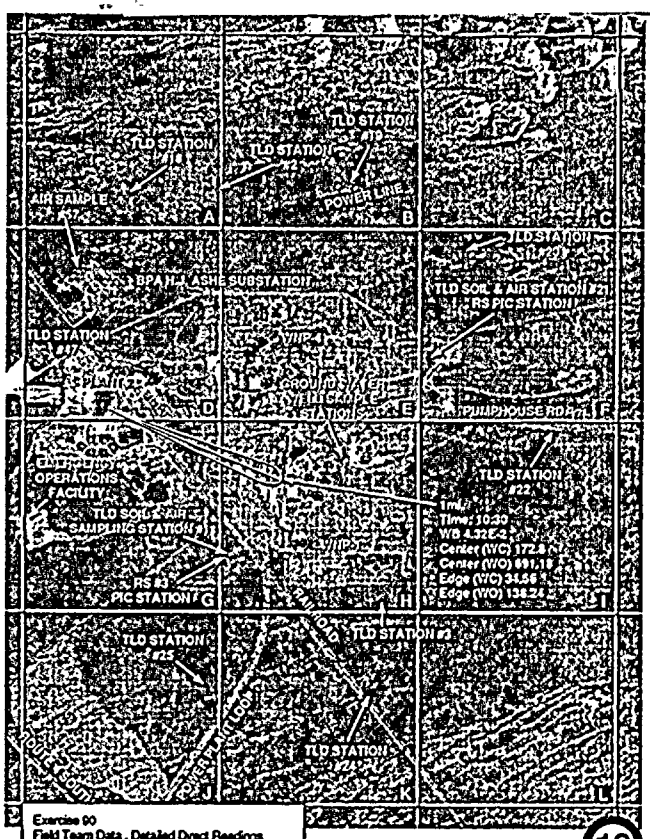
PLUME EXPOSURE PATHWAY 0-1mi T+20min

(all readings in mR/hr)



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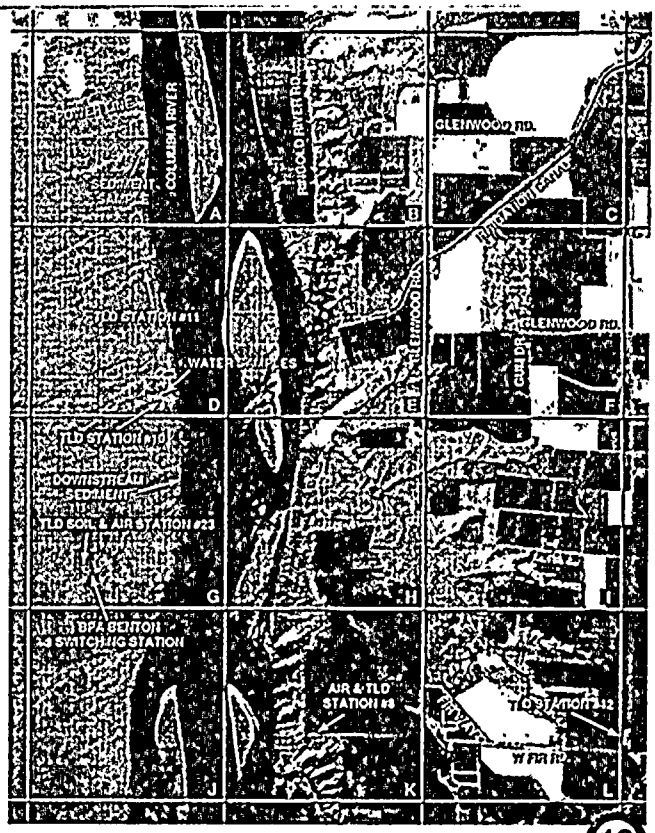

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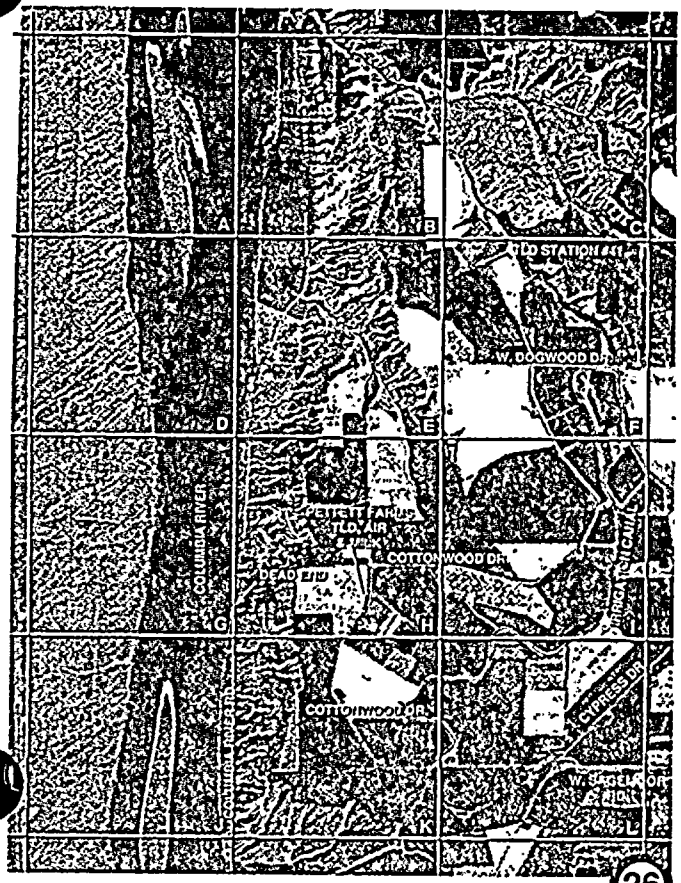
Exercise 90
Field Team Data , Detailed Direct Readings
Interpolate proximity to centerline
CONTROLLED DISTRIBUTION



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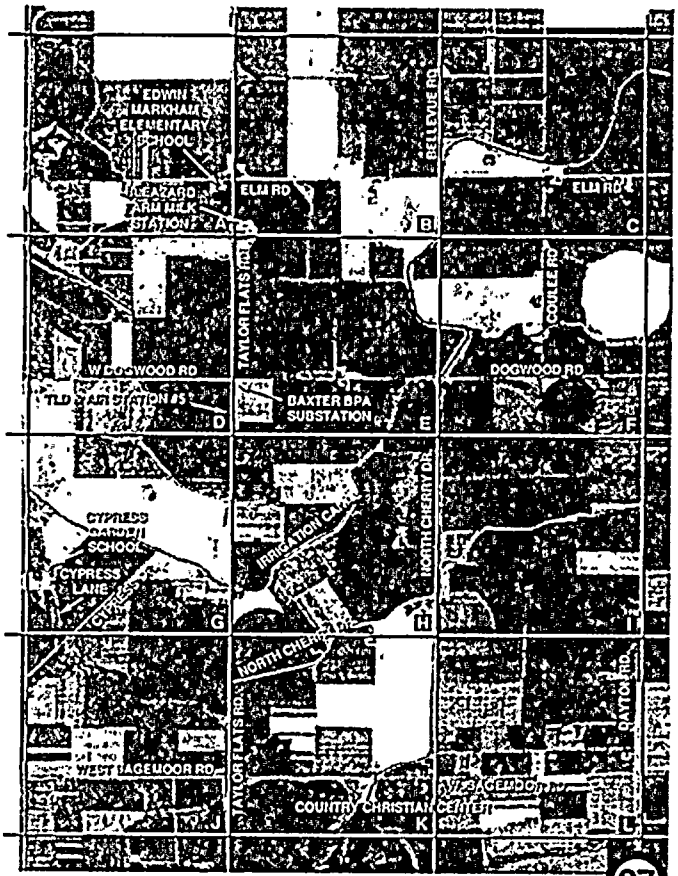

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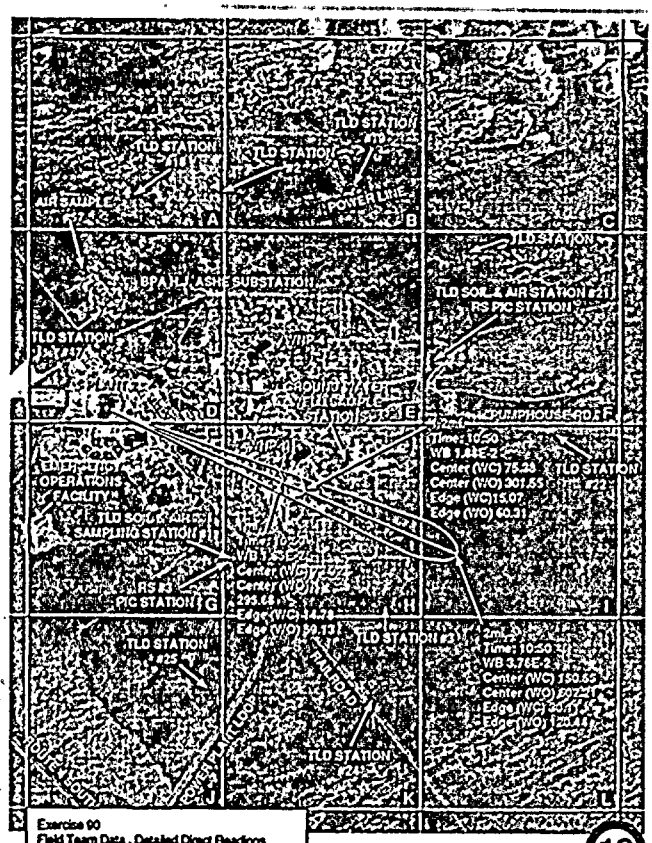
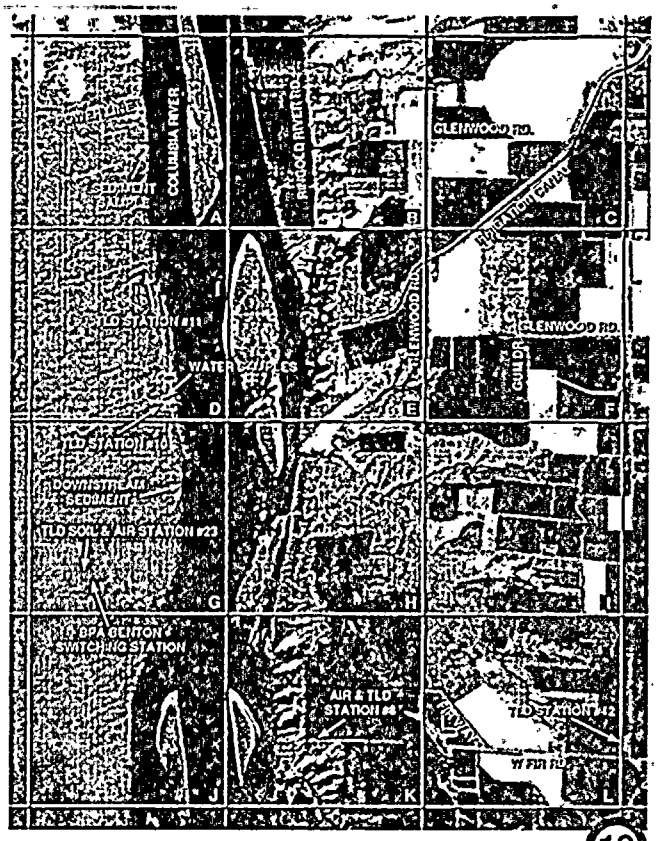
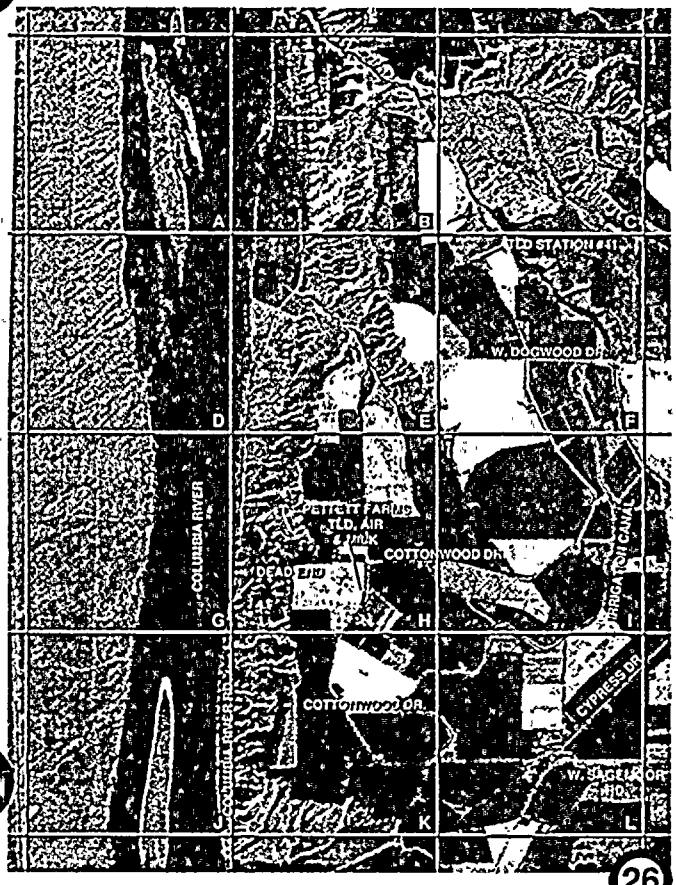
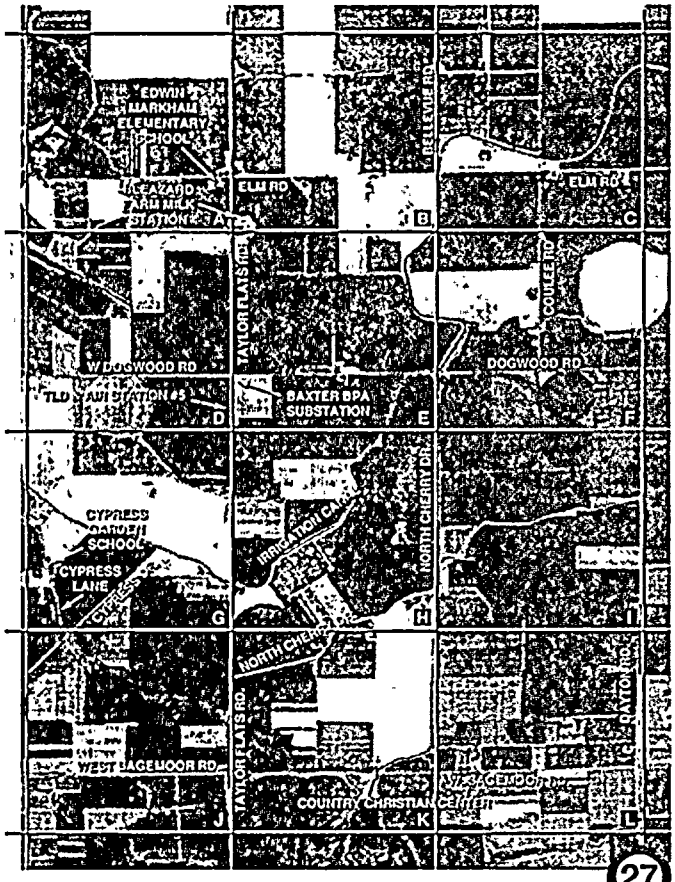
-PLUME EXPOSURE PATHWAY 0-2mi T+40min

(all readings in mR/hr)



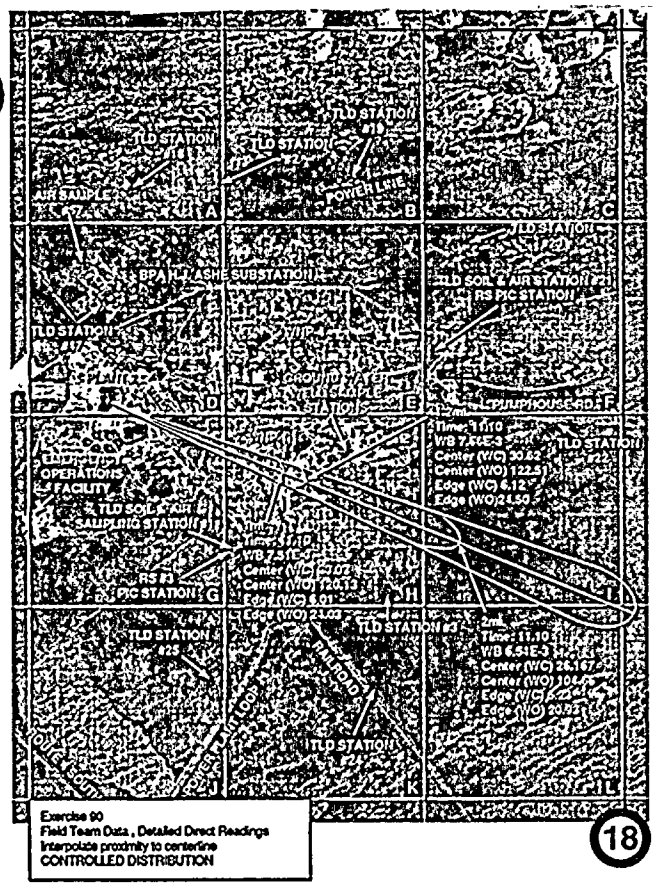


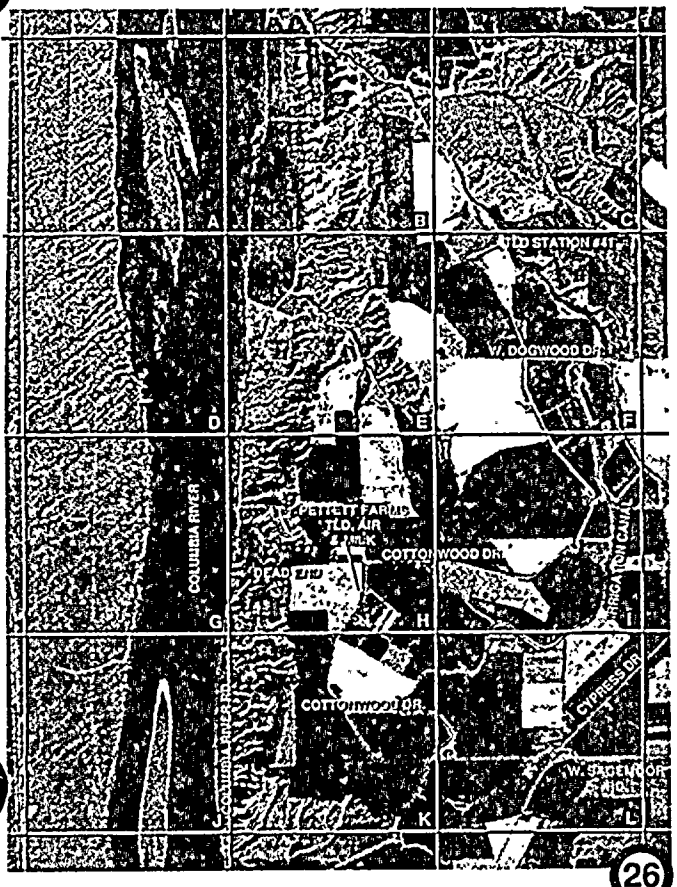




PLUME EXPOSURE PATHWAY 0-3mi T+60min

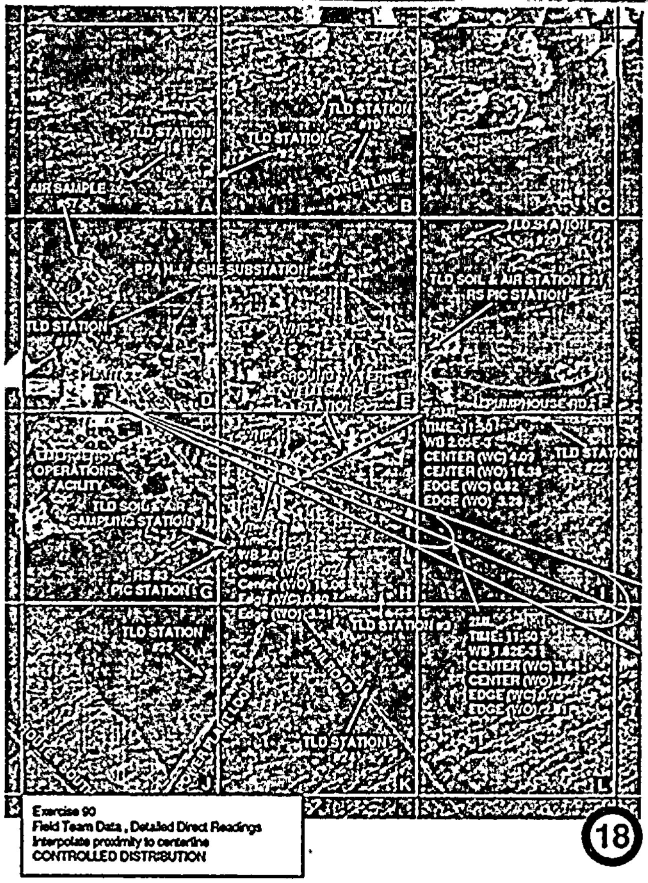
(all readings in mR/hr)



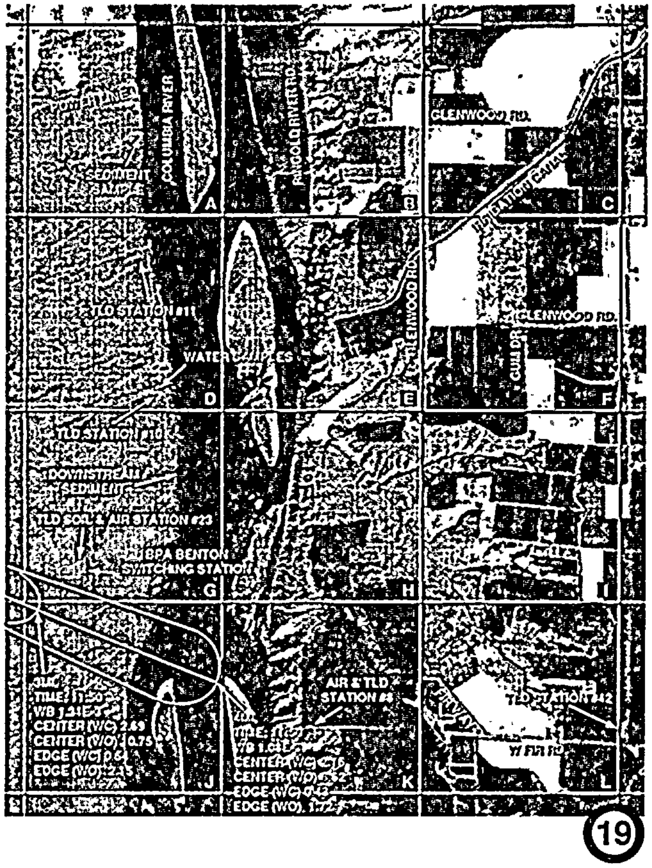


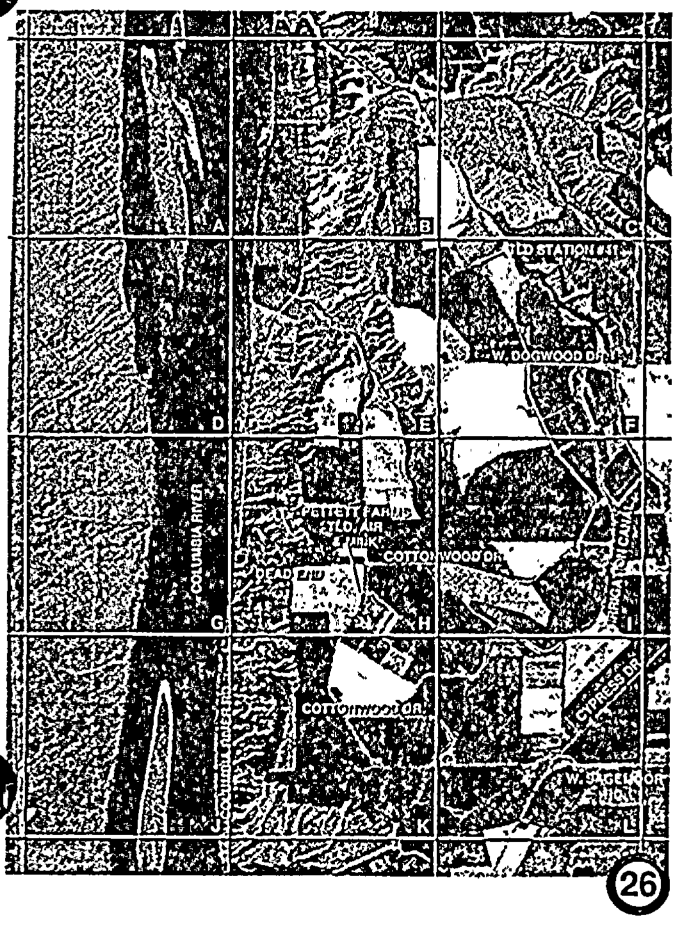
- PLUME EXPOSURE PATHWAY 0-4mi T+80min

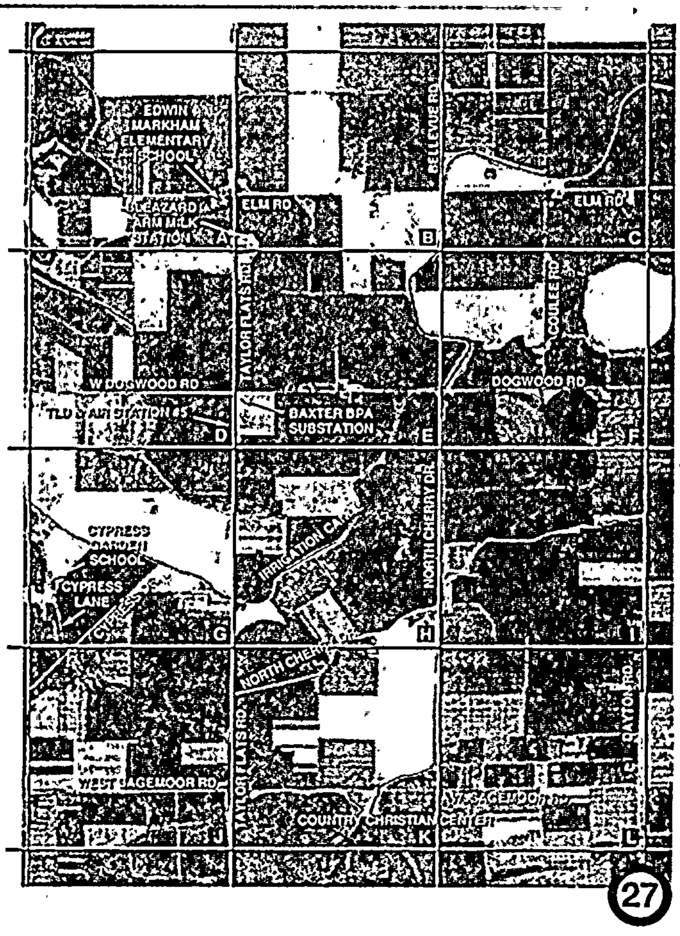
(all readings in mR/hr)



Exercise 90
Field Team Data , Detailed Direct Readings
Interpolate proximity to centerline
CONTROLLED DISTRIBUTION

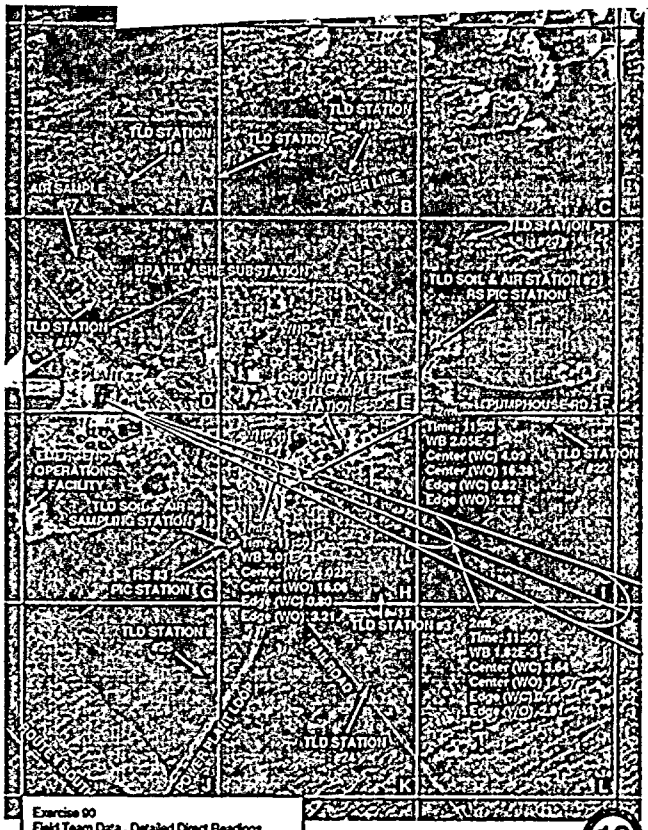


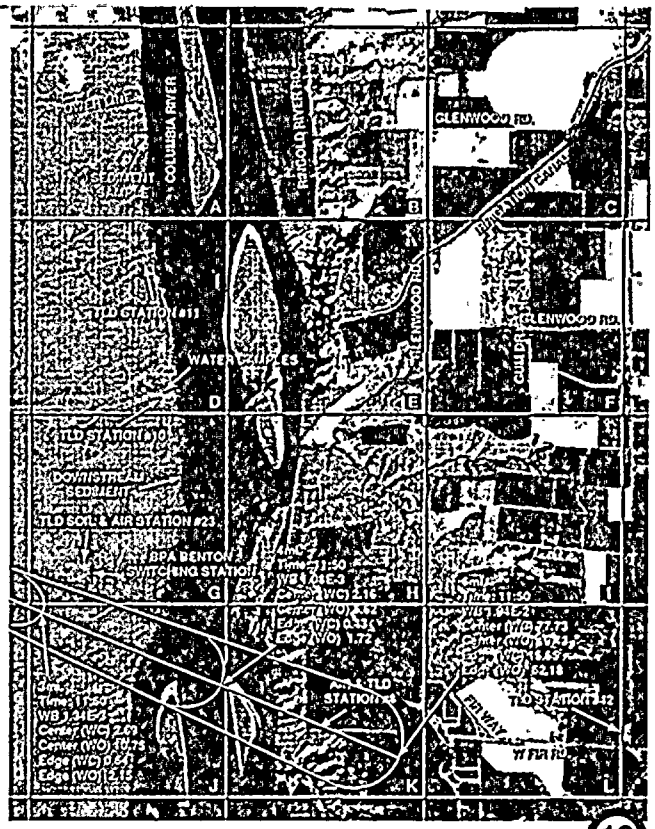


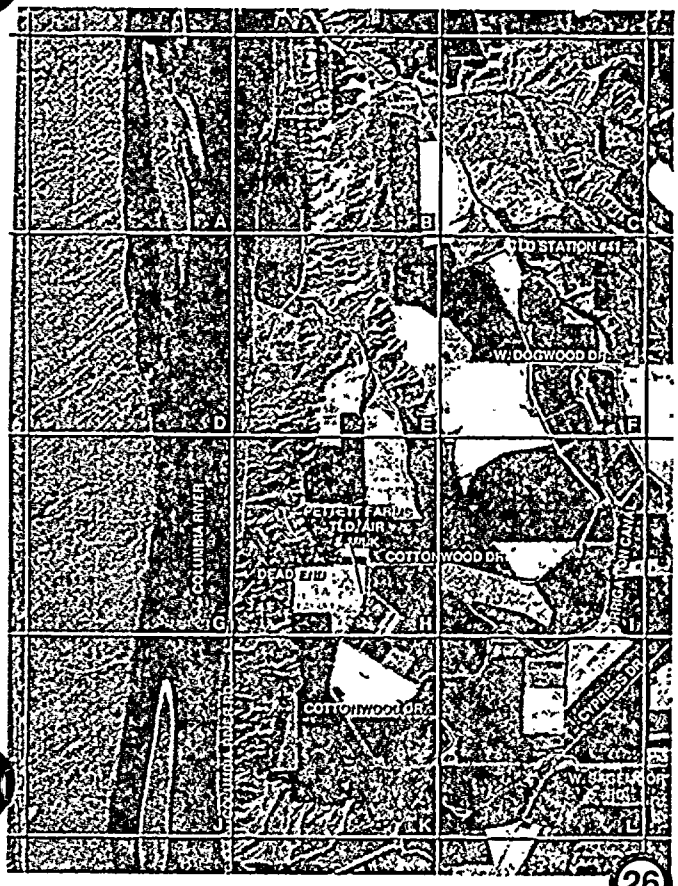


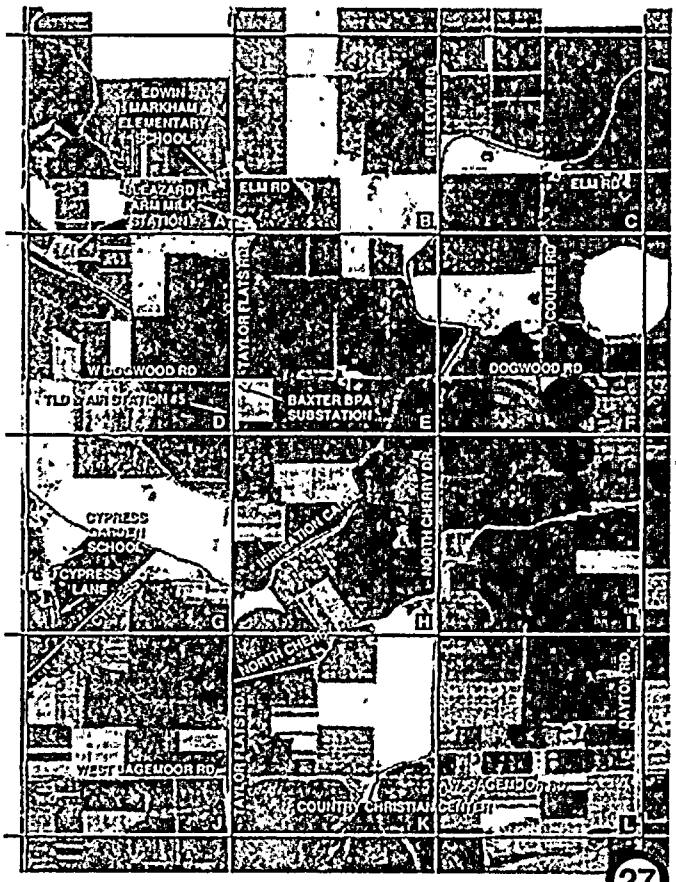
PLUME EXPOSURE PATHWAY 0-5mi T+100min

(all readings in mR/hr)



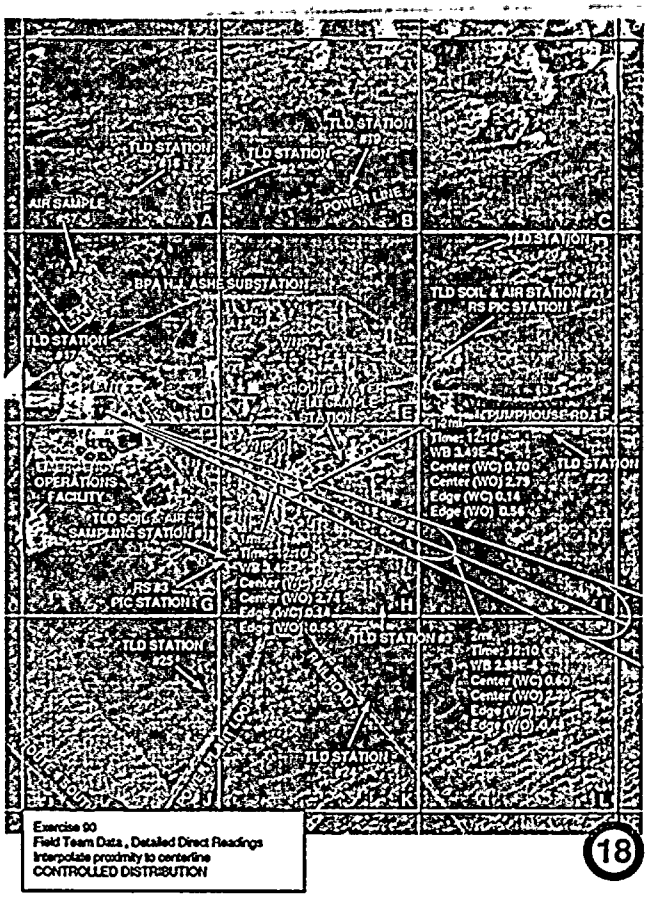




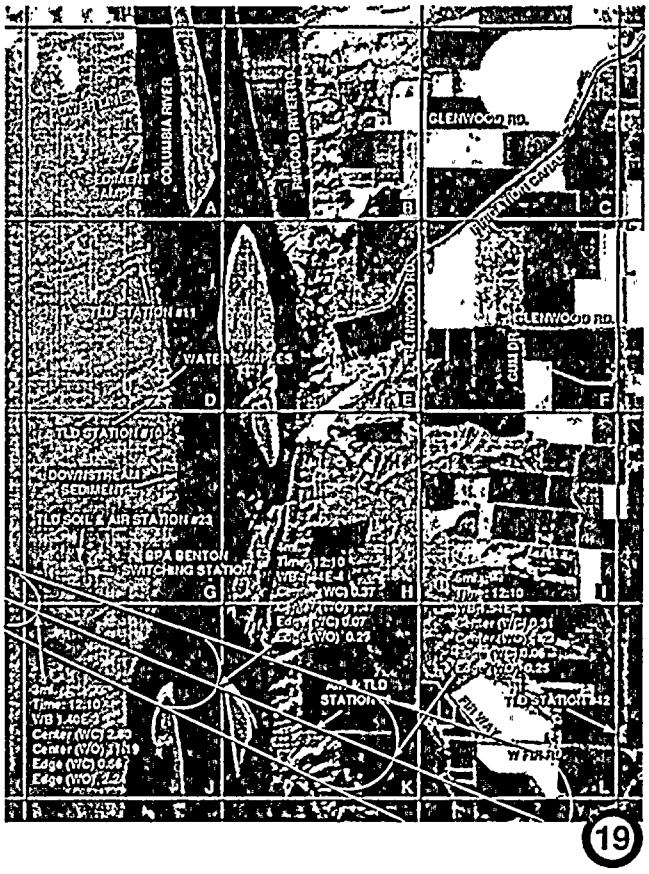


PLUME EXPOSURE PATHWAY 0-6mi T+120min

(all readings in mR/hr)



18



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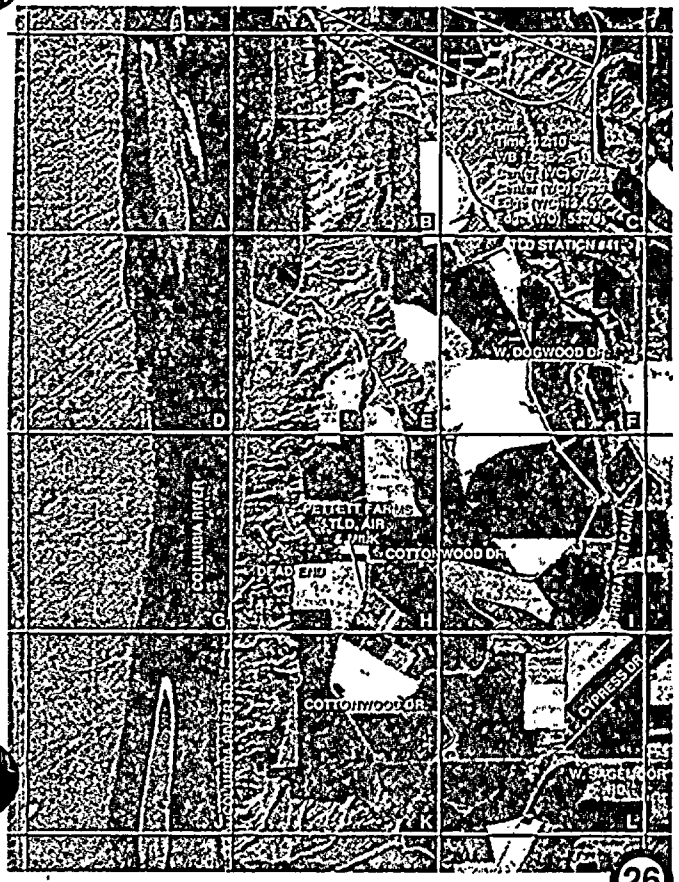

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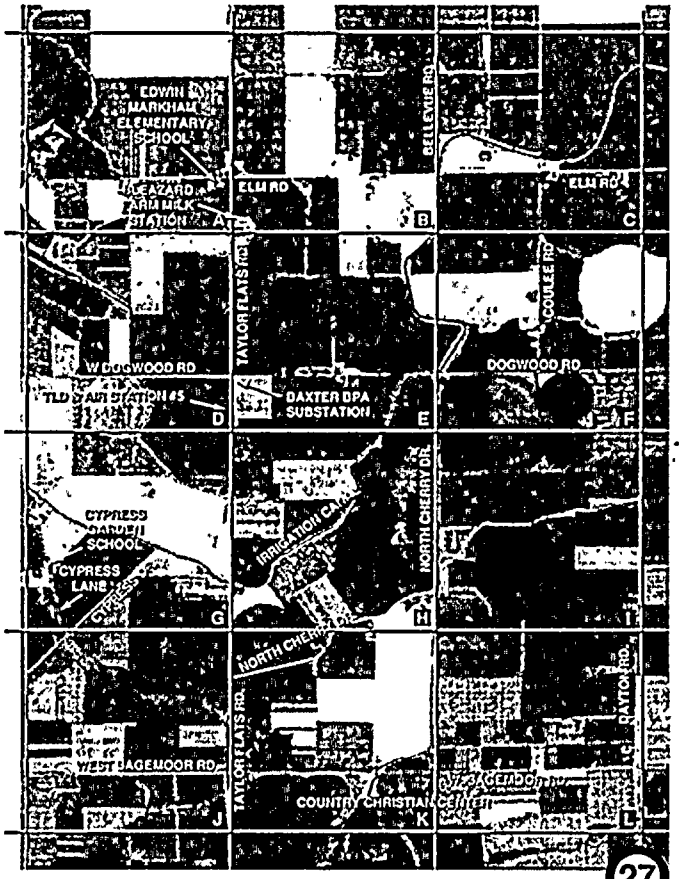
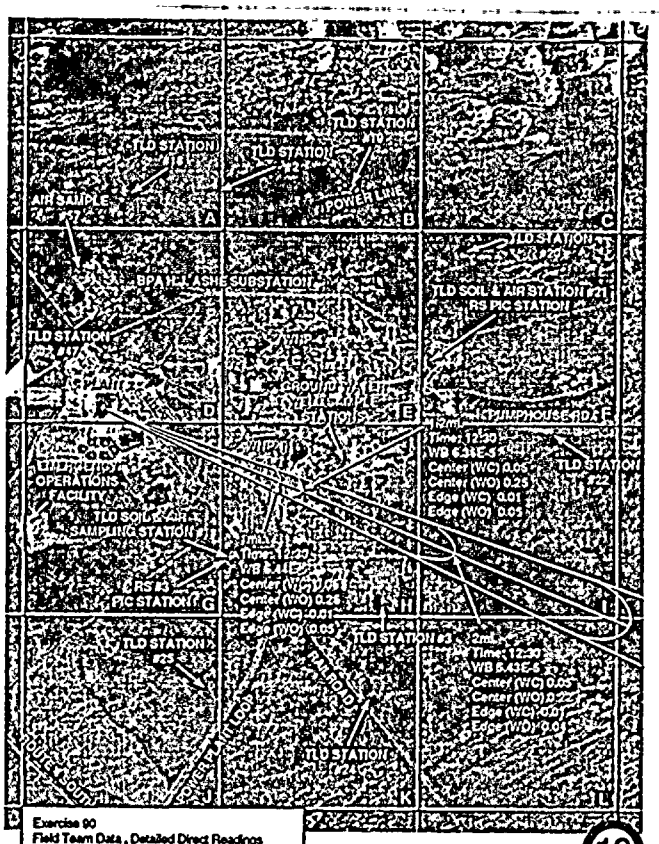
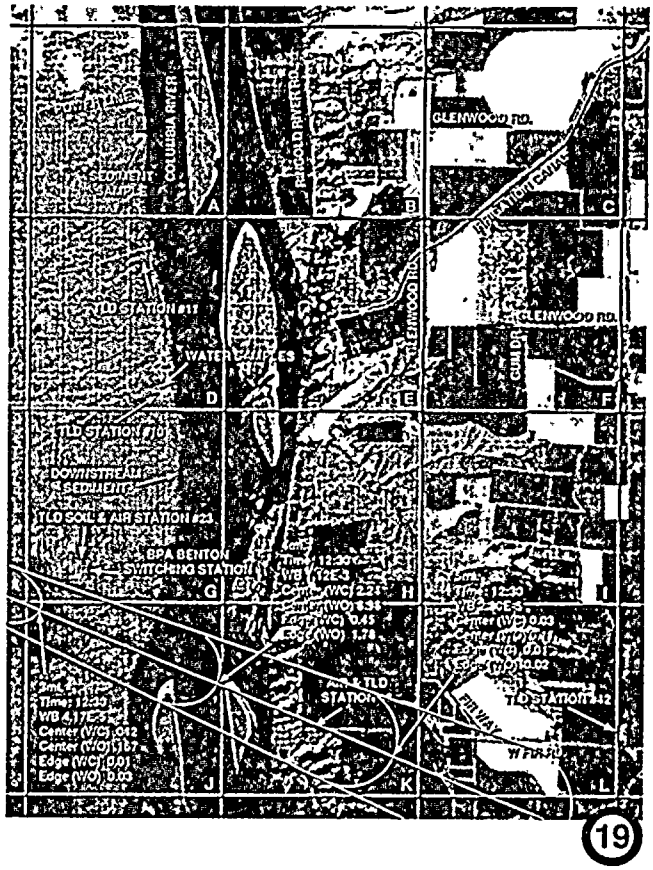


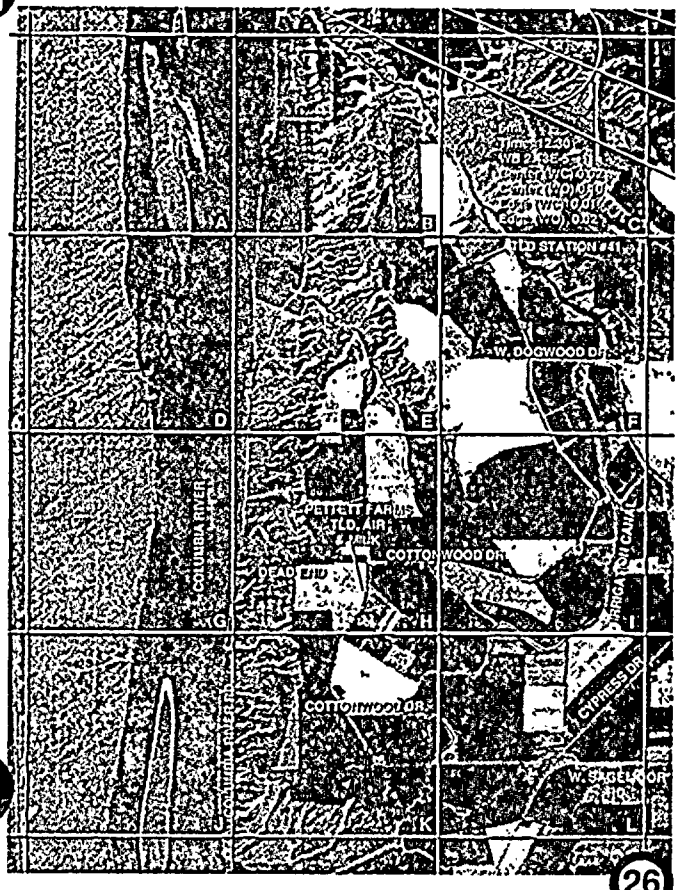
27

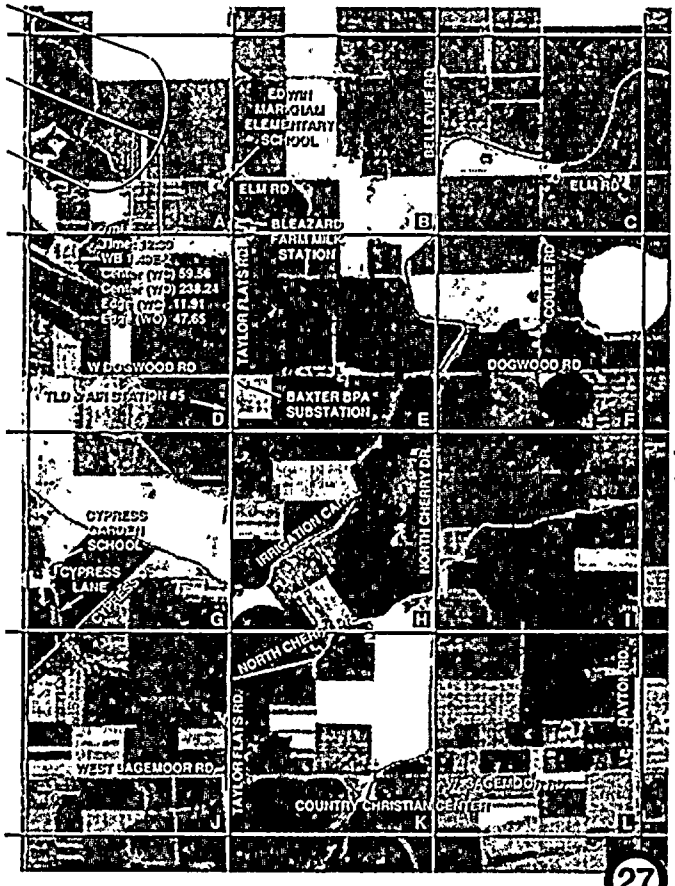
PLUME EXPOSURE PATHWAY 0-7mi T+140min

(all readings in mR/hr)





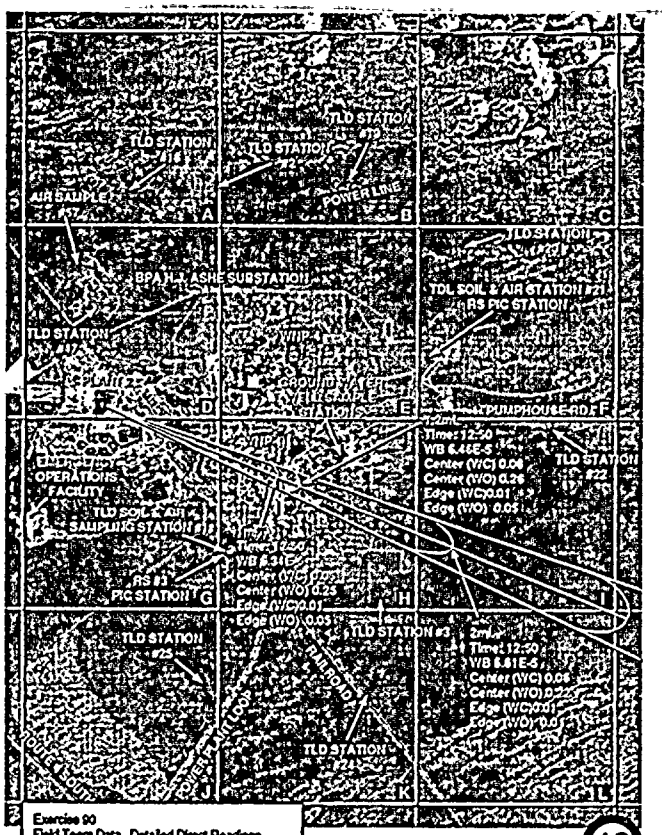




PLUME EXPOSURE PATHWAY 0-8mi T+160min

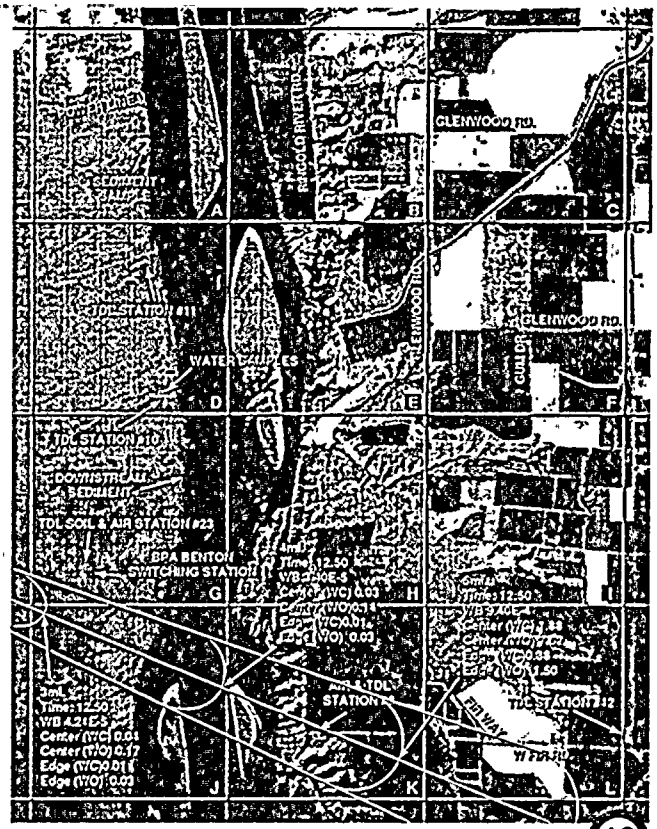
(all readings in mR/hr)

(Unless otherwise noted)



Exercise 90
Field Team Data , Detailed Direct Readings
Interpolate proximity to centerline
CONTROLLED DISTRIBUTION

18



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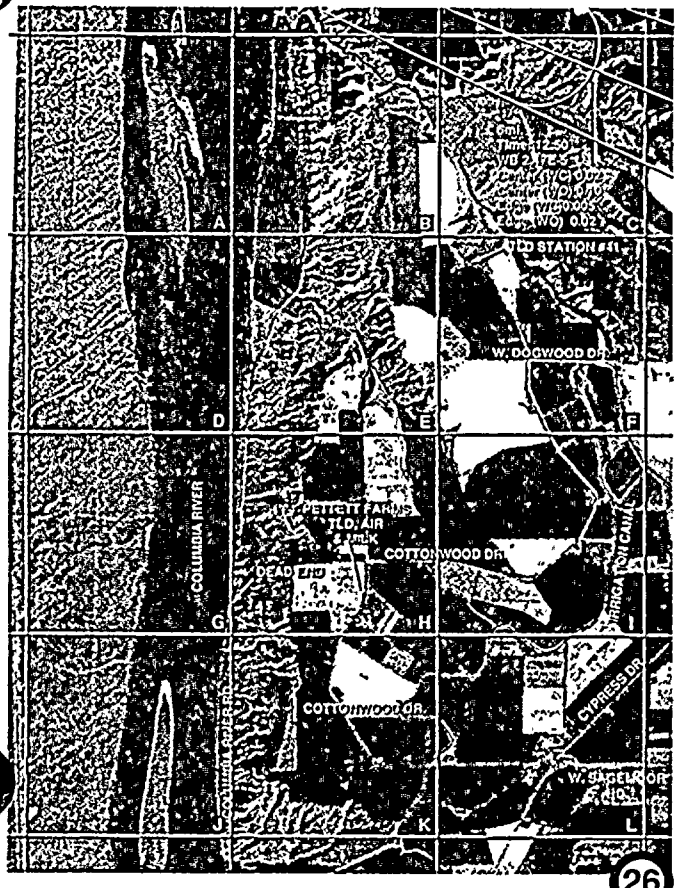

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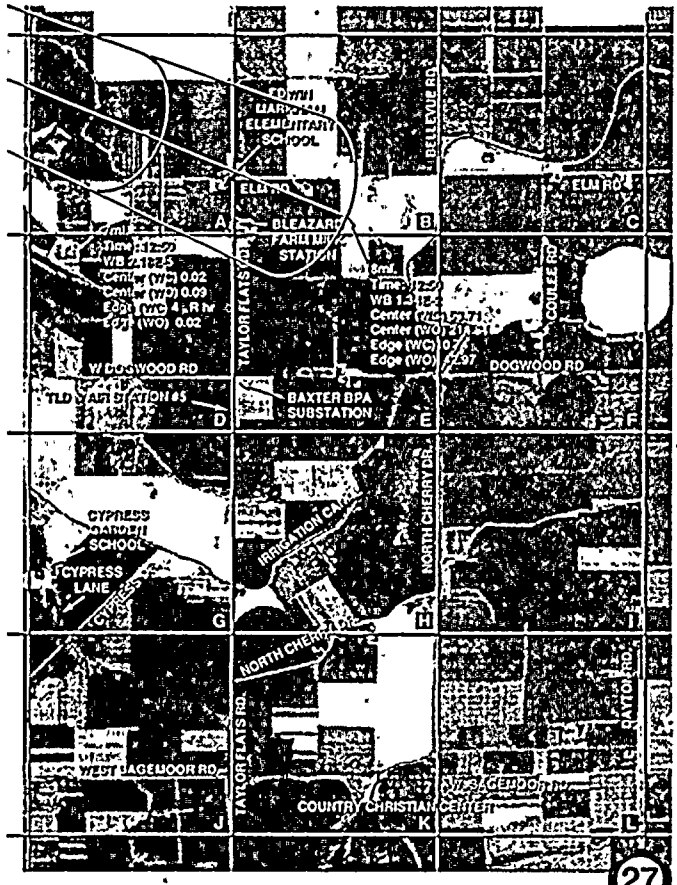
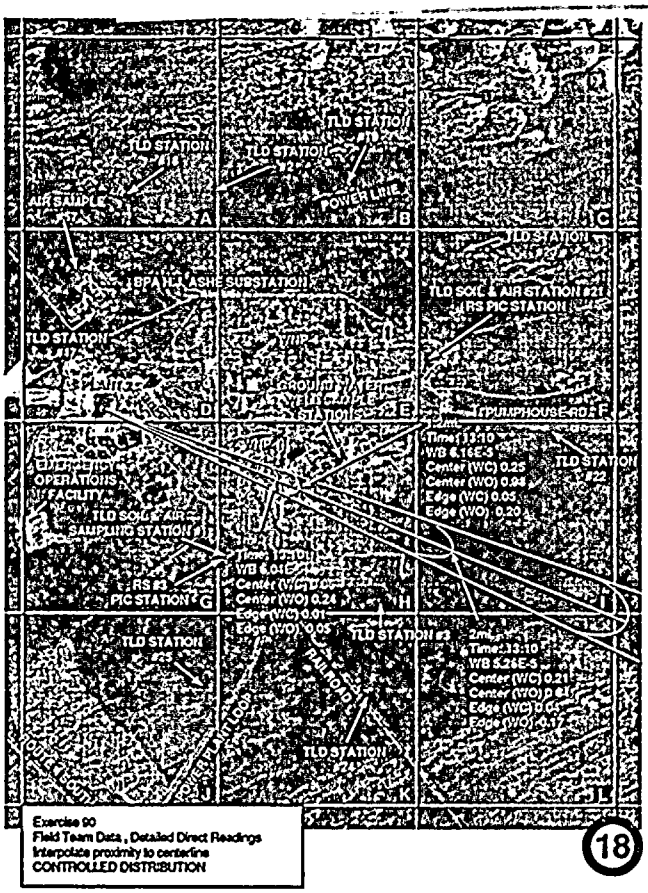


27

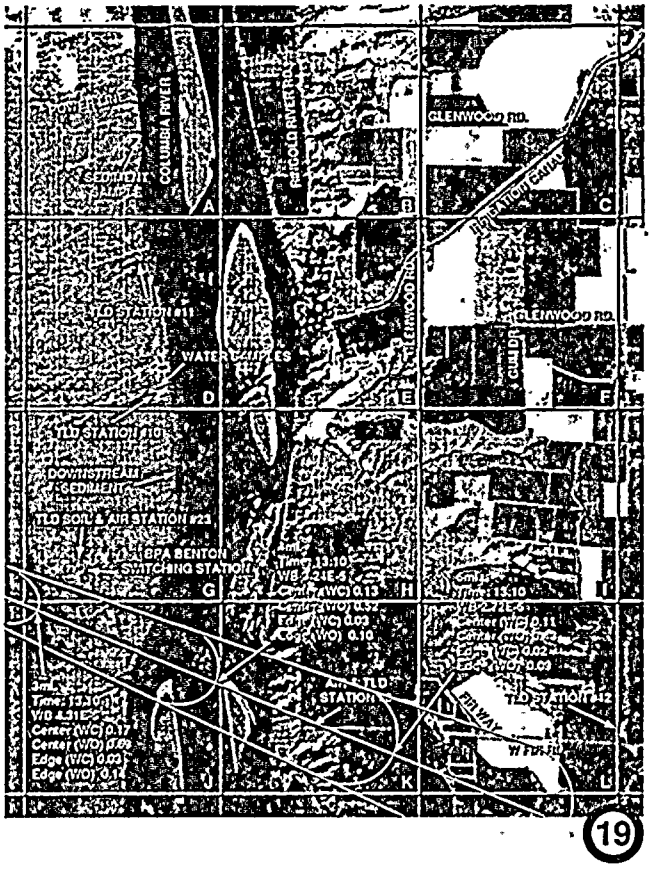
PLUME EXPOSURE PATHWAY 0-9mi T+180min

(all readings in mR/hr)



Exercise 90
Field Team Data , Detailed Direct Readings
Interpolate proximity to centerline
CONTROLLED DISTRIBUTION

18



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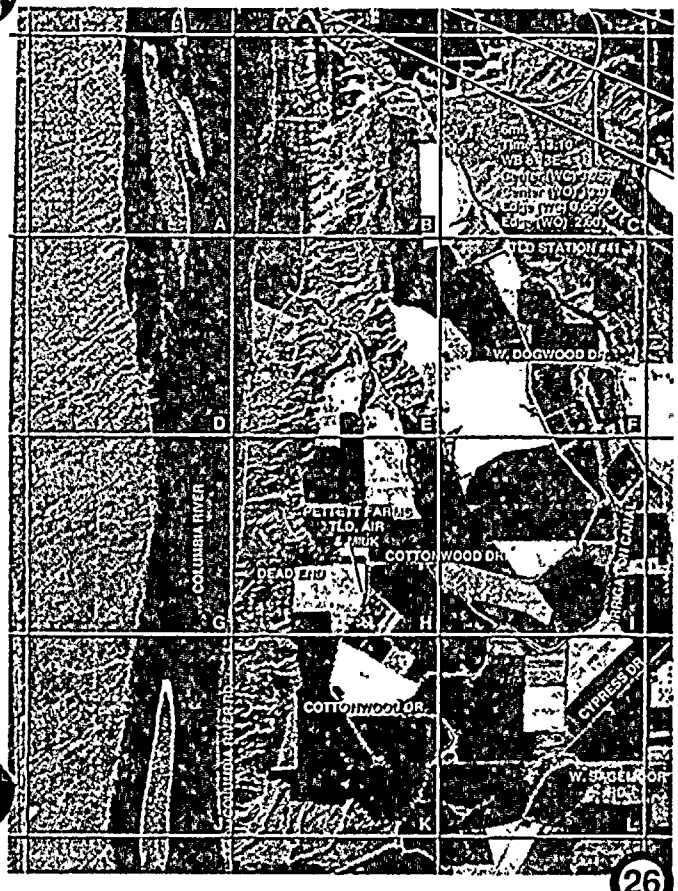

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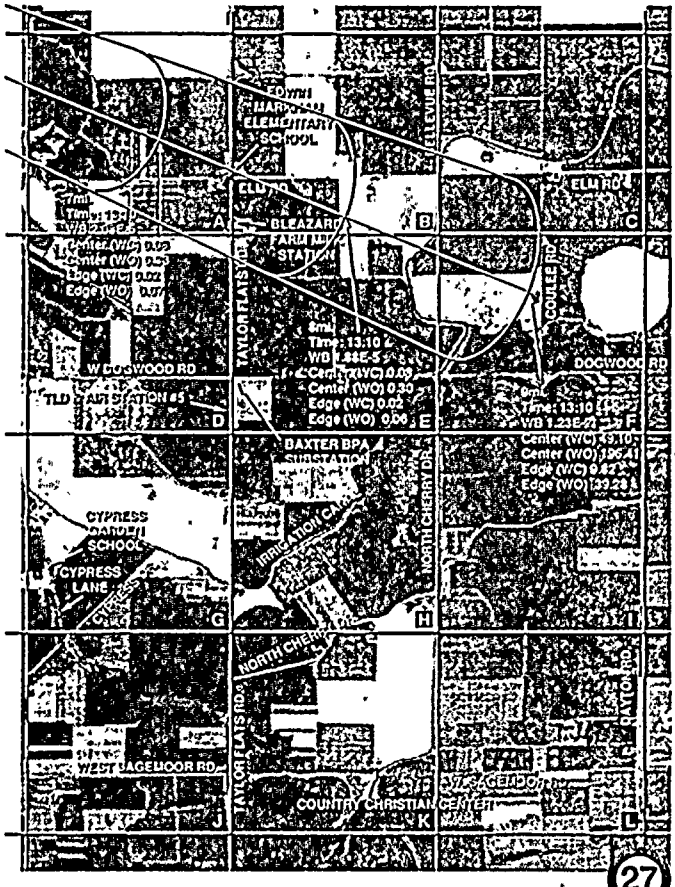
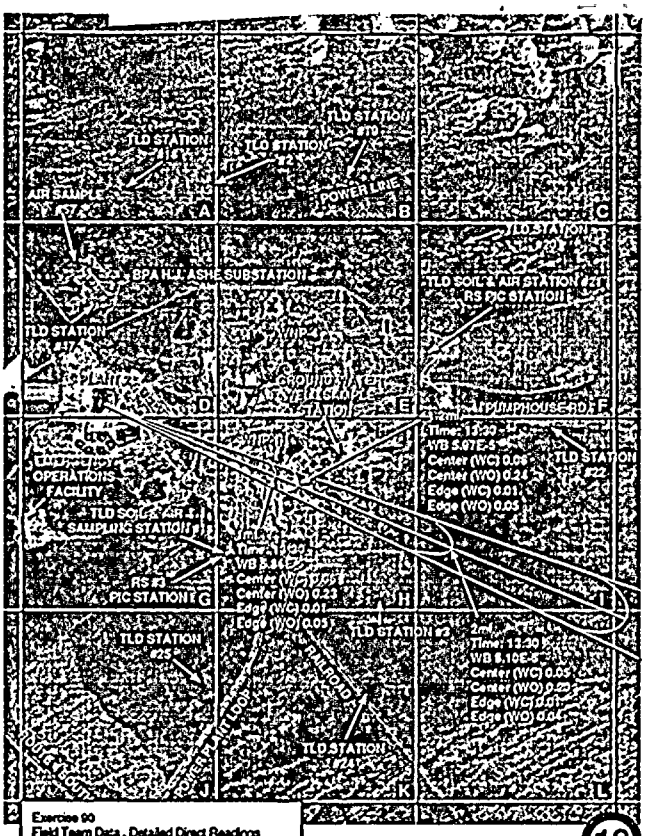


27

PLUME EXPOSURE PATHWAY 0-10mi T+200min

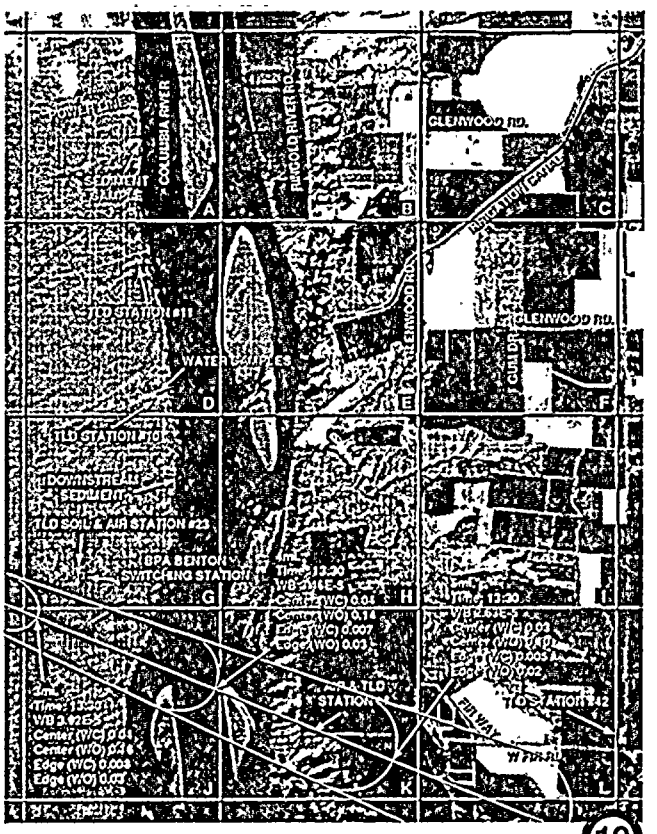
(all readings in mR/hr)

(Unless otherwise noted)



Exercise 90
Field Team Data , Detailed Direct Readings
Interpolate proximity to centerline
CONTROLLED DISTRIBUTION

18



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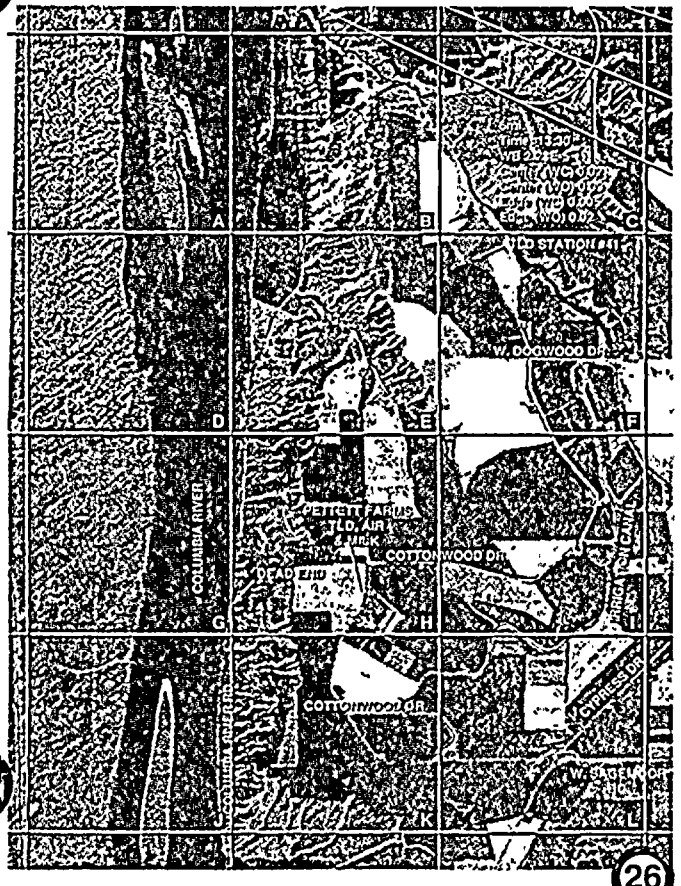

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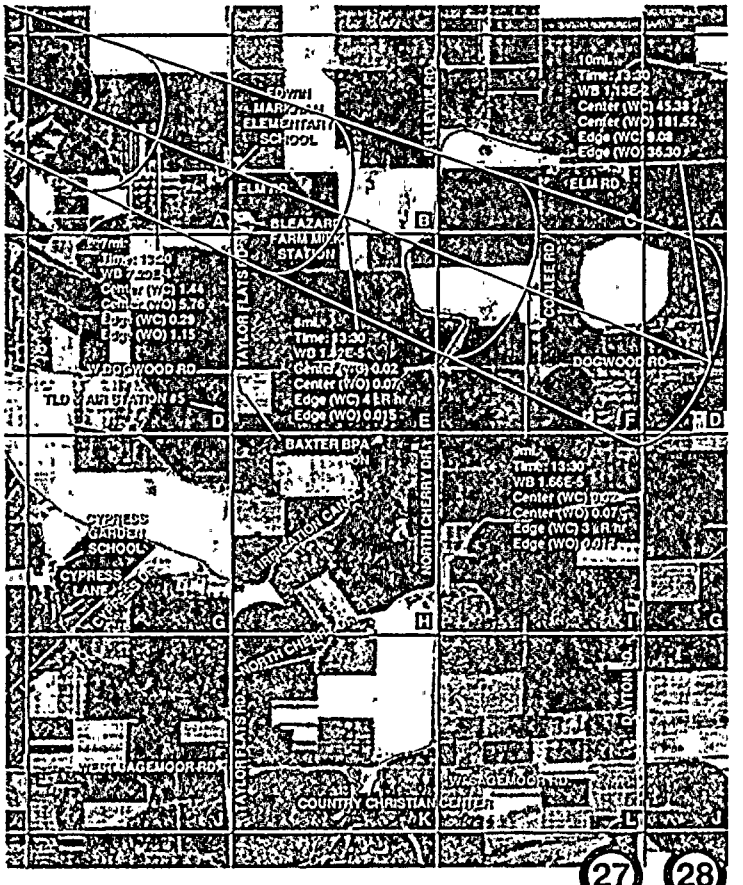

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
7c	TSC, MUDAC with Field Teams, HP Center

VALID FOR TIMES OF:					
REAL TIME 0700	☐ AM ☐ PM	TO 1600	☐ AM ☐ PM	DRILL TIME 0000 HOURS	TO 0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	FIELD TEAM DATA AIR SAMPLE RESULTS

A. Background -

1. Air sample data reflects centerline concentrations for a cloud containing noble gases and radionuclides. The source term calculated (Ci/sec) for the Turbine Building point of release was used to determine airborne activity concentrations on the centerline. Particulates and noble gases were released. Silver Zeolite cartridges should be used.

2. Calculation Specifics -

   a. Sample volume - 10 ft^3 (per PPM 13.9.3).

   b. Chi/Q was determined by -

Time frame (minutes)	Stability Class	Windspeed (mph)	Sigma Theta (°)
0 - 300	E	3	6

B. Use Instructions -

1. Field Team Controllers -

   a. Use the nearest upstream values.

   b. Interpolate for centerline proximity.

   c. Provide charcoal cartridge and filter direct readings.

   d. If a gamma analyzer is used, also provide the I-131 readings (only).

2. HP Center Controller -

   a. From the Sample Identification Form entries on sample location, time and direct readings, determine the appropriate nuclide locations.

   b. Provide the same direct readings.

   c. After analysis on the multi-channel analyzer, provide the nuclide concentrations. Include that only traces of noble gas are present.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 7c | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME ☐AM 7:00 ☐PM TO ☐AM 16:00 ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Air Sample Results

Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Filter iodine cpm	Cartridge Before Purge cpm	Cartridge After Purge cpm	Cartridge mRad/hr at 1 in.	Filter mRad/hr at 1 in.	N.G. Beta Emitters uCi/cc	Center Line Concentrations I -131 uCi/cc	I -132 uCi/cc	I -133 uCi/cc	I -134 uCi/cc	I -135 uCi/cc
1	20	10:30	318299	3653582	3182986	636.60	63.66	2.14E-04	6.80E-06	9.58E-06	1.51E-05	1.39E-05	1:39E-05
	35	10:45	153731	1751011	1537315	307.46	30.75	9.71E-05	3.53E-06	4.54E-06	7.81E-06	6.05E-06	6.68E-06
	50	11:00	67046	764955	670459	134.09	13.41	4.29E-05	1.64E-06	2.02E-06	3.53E-06	2.27E-06	3.02E-06
	65	11:15	31762	361676	317621	63.52	6.35	2.00E-05	8.06E-07	8.95E-07	1.76E-06	9.32E-07	1.51E-06
	80	11:30	9820	111525	98199	19.64	1.96	6.06E-06	2.65E-07	2.77E-07	5.67E-07	2.52E-07	4.66E-07
	110	12:00	1727	19804	17269	3.45	0.35	1.15E-06	5.04E-08	4.54E-08	1.07E-07	3.28E-08	8.57E-08
	140	12:30	167	1922	1673	0.33	0.03	1.13E-07	5.29E-09	4.03E-09	1.11E-08	2.27E-09	8.44E-09
1.2	24	10:34	323351	3711576	3233510	646.70	64.67	2.17E-04	6.91E-06	9.73E-06	1.54E-05	1.41E-05	1.41E-05
	39	10:49	156172	1778805	1561716	312.34	31.23	9.87E-05	3.58E-06	4.61E-06	7.94E-06	6.14E-06	6.78E-06
	54	11:04	68110	777097	681101	136.22	13.62	4.36E-05	1.66E-06	2.05E-06	3.58E-06	2.30E-06	3.07E-06
	69	11:19	32266	367417	322663	64.53	6.45	2.03E-05	8.19E-07	9.09E-07	1.79E-06	9.47E-07	1.54E-06
	84	11:34	9976	113295	99757	19.95	2.00	6.15E-06	2.69E-07	2.82E-07	5.76E-07	2.56E-07	4.74E-07
	114	12:04	1754	20119	17544	3.51	0.35	1.17E-06	5.12E-08	4.61E-08	1.09E-07	3.33E-08	8.70E-08
	144	12:34	170	1953	1699	0.34	0.03	1.15E-07	5.38E-09	4.10E-09	1.13E-08	2.30E-09	8.58E-09
1.4	28	10:38	318299	3653582	3182986	636.60	63.66	2.14E-04	6.80E-06	9.58E-06	1.51E-05	1.39E-05	1.39E-05
	43	10:53	153731	1751011	1537315	307.46	30.75	9.71E-05	3.53E-06	4.54E-06	7.81E-06	6.05E-06	6.68E-06
	58	11:08	67046	764955	670459	134.09	13.41	4.29E-05	1.64E-06	2.02E-06	3.53E-06	2.27E-06	3.02E-06
	73	11:23	31762	361676	317621	63.52	6.35	2.00E-05	8.06E-07	8.95E-07	1.76E-06	9.32E-07	1.51E-06
	88	11:38	9820	111525	98199	19.64	1.96	6.06E-06	2.65E-07	2.77E-07	5.67E-07	2.52E-07	4.66E-07
	118	12:08	1727	19804	17269	3.45	0.35	1.15E-06	5.04E-08	4.54E-08	1.07E-07	3.28E-08	8.57E-08
	148	12:38	167	1922	1673	0.33	0.03	1.13E-07	5.29E-09	4.03E-09	1.11E-08	2.27E-09	8.44E-09
1.5	30	10:40	313246	3595589	3132462	626.49	62.65	2.10E-04	6.70E-06	9.42E-06	1.49E-05	1.36E-05	1.36E-05
	45	10:55	151291	1723217	1512913	302.58	30.26	9.56E-05	3.47E-06	4.46E-06	7.69E-06	5.95E-06	6.57E-06
	60	11:10	65982	752813	659817	131.96	13.20	4.23E-05	1.61E-06	1.98E-06	3.47E-06	2.23E-06	2.98E-06
	75	11:25	31258	355935	312580	62.52	6.25	1.97E-05	7.94E-07	8.80E-07	1.74E-06	9.18E-07	1.49E-06
	90	11:40	9664	109755	96640	19.33	1.93	5.96E-06	2.60E-07	2.73E-07	5.58E-07	2.48E-07	4.59E-07
	120	12:10	1700	19490	16995	3.40	0.34	1.13E-06	4.96E-08	4.46E-08	1.05E-07	3.22E-08	8.43E-08
	150	12:40	165	1892	1646	0.33	0.03	1.11E-07	5.21E-09	3.97E-09	1.09E-08	2.23E-09	8.31E-09
2	40	10:50	277880	3189635	2778797	555.76	55.58	1.87E-04	5.94E-06	8.36E-06	1.32E-05	1.21E-05	1.21E-05
	55	11:05	134210	1528660	1342100	268.42	26.84	8.48E-05	3.08E-06	3.96E-06	6.82E-06	5.28E-06	5.83E-06
	70	11:20	58532	667818	585321	117.06	11.71	3.75E-05	1.43E-06	1.76E-06	3.08E-06	1.98E-06	2.64E-06
	85	11:35	27729	315749	277288	55.46	5.55	1.75E-05	7.04E-07	7.81E-07	1.54E-06	8.14E-07	1.32E-06
	100	11:50	8573	97363	85729	17.15	1.71	5.29E-06	2.31E-07	2.42E-07	4.95E-07	2.20E-07	4.07E-07
	130	12:20	1508	17290	15076	3.02	0.30	1.01E-06	4.40E-08	3.96E-08	9.35E-08	2.86E-08	7.48E-08
	160	12:50	146	1678	1460	0.29	0.03	9.89E-08	4.62E-09	3.52E-09	9.68E-09	1.98E-09	7.37E-09
2.5	50	11:00	241755	2774983	2417554	483.51	48.35	1.62E-04	5.17E-06	7.27E-06	1.15E-05	1.05E-05	1.05E-05
	65	11:15	116763	1329935	1167627	233.53	23.35	7.38E-05	2.68E-06	3.45E-06	5.93E-06	4.59E-06	5.07E-06
	80	11:30	50923	581001	509229	101.85	10.18	3.26E-05	1.24E-06	1.53E-06	2.68E-06	1.72E-06	2.30E-06
	95	11:45	24124	274702	241241	48.25	4.82	1.52E-05	6.12E-07	6.79E-07	1.34E-06	7.08E-07	1.15E-06
	110	12:00	7458	84706	74584	14.92	1.49	4.60E-06	2.01E-07	2.11E-07	4.31E-07	1.91E-07	3.54E-07
	140	12:30	1312	15042	13117	2.62	0.26	8.75E-07	3.83E-08	3.45E-08	8.13E-08	2.49E-08	6.51E-08
	170	13:00	127	1460	1271	0.25	0.03	8.60E-08	4.02E-09	3.06E-09	8.42E-09	1.72E-09	6.41E-09
2.6	52	11:02	235440	2702491	2354399	470.88	47.09	1.58E-04	5.03E-06	7.08E-06	1.12E-05	1:03E-05	1.03E-05
	67	11:17	113712	1295192	1137125	227.42	22.74	7.18E-05	2.61E-06	3.36E-06	5.78E-06	4.47E-06	4.94E-06
	82	11:32	49593	565824	495927	99.19	9.92	3.18E-05	1.21E-06	1.49E-06	2.61E-06	1.68E-06	2.24E-06
	97	11:47	23494	267525	234939	46.99	4.70	1.48E-05	5.96E-07	6.62E-07	1.30E-06	6.90E-07	1.12E-06
	112	12:02	7264	82493	72636	14.53	1.45	4.48E-06	1.96E-07	2.05E-07	4.19E-07	1.86E-07	3.45E-07
	142	12:32	1277	14649	12774	2.55	0.26	8.52E-07	3.73E-08	3.36E-08	7.92E-08	2.42E-08	6.34E-08
	172	13:02	124	1422	1237	0.25	0.02	8.38E-08	3.91E-09	2.98E-09	8.20E-09	1.68E-09	6.24E-09

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of

SHEET NO. 7c- cont | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Air Sample Results

Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Filter iodine cpm	Cartridge Before Purge cpm	Cartridge After Purge cpm	Cartridge mRad/hr at 1 in.	Filter mRad/hr at 1 in.	N.G. Beta Emitters uCi/cc	Center Line Concentrations I -131 uCi/cc	I -132 uCi/cc	I -133 uCi/cc	I -134 uCi/cc	I -135 uCi/cc
3	60	11:10	212704	2441521	2127043	425.41	42.54	1.43E-04	4.55E-06	6.40E-06	1.01E-05	9.26E-06	9.26E-06
	75	11:25	102732	1170120	1027317	205.46	20.55	6.49E-05	2.36E-06	3.03E-06	5.22E-06	4.04E-06	4.46E-06
	90	11:40	44804	511184	448037	89.61	8.96	2.87E-05	1.09E-06	1.35E-06	2.36E-06	1.52E-06	2.02E-06
	105	11:55	21225	241691	212252	42.45	4.25	1.34E-05	5.39E-07	5.98E-07	1.18E-06	6.23E-07	1.01E-06
	120	12:10	6562	74527	65622	13.12	1.31	4.05E-06	1.77E-07	1.85E-07	3.79E-07	1.68E-07	3.12E-07
	150	12:40	1154	13234	11540	2.31	0.23	7.70E-07	3.37E-08	3.03E-08	7.16E-08	2.19E-08	5.73E-08
	180	13:10	112	1284	1118	0.22	0.02	7.57E-08	3.54E-09	2.69E-09	7.41E-09	1.52E-09	5.64E-09
3.5	70	11:20	189463	2174751	1894635	378.93	37.89	1.27E-04	4.05E-06	5.70E-06	9.00E-06	8.25E-06	8.25E-06
	85	11:35	91507	1042268	915068	183.01	18.30	5.78E-05	2.10E-06	2.70E-06	4.65E-06	3.60E-06	3.98E-06
	100	11:50	39908	455330	399083	79.82	7.98	2.56E-05	9.75E-07	1.20E-06	2.10E-06	1.35E-06	1.80E-06
	115	12:05	18906	215283	189060	37.81	3.78	1.19E-05	4.80E-07	5.33E-07	1.05E-06	5.55E-07	9.00E-07
	130	12:20	5845	66384	58451	11.69	1.17	3.61E-06	1.58E-07	1.65E-07	3.38E-07	1.50E-07	2.78E-07
	160	12:50	1028	11788	10279	2.06	0.21	6.86E-07	3.00E-08	2.70E-08	6.38E-08	1.95E-08	5.10E-08
	190	13:20	100	1144	996	0.20	0.02	6.74E-08	3.15E-09	2.40E-09	6.60E-09	1.35E-09	5.03E-09
4	80	11:30	170517	1957276	1705171	341.03	34.10	1.15E-04	3.65E-06	5.13E-06	8.10E-06	7.43E-06	7.43E-06
	95	11:45	82356	938042	823561	164.71	16.47	5.20E-05	1.89E-06	2.43E-06	4.19E-06	3.24E-06	3.58E-0
	110	12:00	35917	409797	359174	71.83	7.18	2.30E-05	8.78E-07	1.08E-06	1.89E-06	1.22E-06	1.62E-0
	125	12:15	17015	193755	170154	34.03	3.40	1.07E-05	4.32E-07	4.79E-07	9.45E-07	5.00E-07	8.10E-07
	140	12:30	5261	59745	52606	10.52	1.05	3.24E-06	1.42E-07	1.49E-07	3.04E-07	1.35E-07	2.50E-07
	170	13:00	925	10609	9251	1.85	0.19	6.17E-07	2.70E-08	2.43E-08	5.74E-08	1.76E-08	4.59E-08
	200	13:30	90	1030	896	0.18	0.02	6.07E-08	2.84E-09	2.16E-09	5.94E-09	1.22E-09	4.52E-09
4.5	90	11:40	155360	1783296	1553600	310.72	31.07	1.04E-04	3.32E-06	4.67E-06	7.38E-06	6.77E-06	6.77E-06
	105	11:55	75036	854660	750356	150.07	15.01	4.74E-05	1.72E-06	2.21E-06	3.81E-06	2.95E-06	3.26E-06
	120	12:10	32725	373371	327248	65.45	6.54	2.10E-05	8.00E-07	9.84E-07	1.72E-06	1.11E-06	1.48E-06
	135	12:25	15503	176532	155029	31.01	3.10	9.77E-06	3.94E-07	4.37E-07	8.61E-07	4.55E-07	7.38E-07
	150	12:40	4793	54435	47930	9.59	0.96	2.96E-06	1.29E-07	1.35E-07	2.77E-07	1.23E-07	2.28E-07
	180	13:10	843	9666	8429	1.69	0.17	5.62E-07	2.46E-08	2.21E-08	5.23E-08	1.60E-08	4.18E-08
	210	13:40	82	938	816	0.16	0.02	5.53E-08	2.58E-09	1.97E-09	5.41E-09	1.11E-09	4.12E-09
5	100	11:50	142982	1641212	1429818	285.96	28.60	9.61E-05	3.06E-06	4.30E-06	6.79E-06	6.23E-06	6.23E-06
	115	12:05	69057	786565	690571	138.11	13.81	4.36E-05	1.58E-06	2.04E-06	3.51E-06	2.72E-06	3.00E-06
	130	12:20	30117	343622	301174	60.23	6.02	1.93E-05	7.36E-07	9.06E-07	1.58E-06	1.02E-06	1.36E-06
	145	12:35	14268	162467	142678	28.54	2.85	8.99E-06	3.62E-07	4.02E-07	7.92E-07	4.19E-07	6.79E-07
	160	12:50	4411	50098	44111	8.82	0.88	2.72E-06	1.19E-07	1.25E-07	2.55E-07	1.13E-07	2.09E-07
	190	13:20	776	8896	7758	1.55	0.16	5.18E-07	2.26E-08	2.04E-08	4.81E-08	1.47E-08	3.85E-08
	220	13:50	75	863	751	0.15	0.02	5.09E-08	2.38E-09	1.81E-09	4.98E-09	1.02E-09	3.79E-09
5.5	110	12:00	132372	1519426	1323718	264.74	26.47	8.89E-05	2.83E-06	3.98E-06	6.29E-06	5.76E-06	5.76E-06
	125	12:15	63933	728198	639328	127.87	12.79	4.04E-05	1.47E-06	1.89E-06	3.25E-06	2.52E-06	2.78E-06
	140	12:30	27883	318124	278826	55.77	5.58	1.79E-05	6.81E-07	8.38E-07	1.47E-06	9.43E-07	1.26E-06
	155	12:45	13209	150411	132090	26.42	2.64	8.33E-06	3.35E-07	3.72E-07	7.34E-07	3.88E-07	6.29E-07
	170	13:00	4084	46380	40838	8.17	0.82	2.52E-06	1.10E-07	1.15E-07	2.36E-07	1.05E-07	1.94E-07
	200	13:30	718	8236	7182	1.44	0.14	4.79E-07	2.10E-08	1.89E-08	4.45E-08	1.36E-08	3.56E-08
	230	14:00	70	799	696	0.14	0.01	4.71E-08	2.20E-09	1.68E-09	4.61E-09	9.43E-10	3.51E-09
6	120	12:10	123530	1417938	1235302	247.06	24.71	8.30E-05	2.64E-06	3.72E-06	5.87E-06	5.38E-06	5.38E-06
	135	12:25	59662	679559	596624	119.32	11.93	3.77E-05	1.37E-06	1.76E-06	3.03E-06	2.35E-06	2.59E-0
	150	12:40	26020	296875	260202	52.04	5.20	1.67E-05	6.36E-07	7.82E-07	1.37E-06	8.80E-07	1.17E-0
	165	12:55	12327	140365	123267	24.65	2.47	7.77E-06	3.13E-07	3.47E-07	6.85E-07	3.62E-07	5.87E-07
	180	13:10	3811	43282	38110	7.62	0.76	2.35E-06	1.03E-07	1.08E-07	2.20E-07	9.78E-08	1.81E-07
	210	13:40	670	7686	6702	1.34	0.13	4.47E-07	1.96E-08	1.76E-08	4.16E-08	1.27E-08	3.33E-08
	240	14:10	65	746	649	0.13	0.01	4.40E-08	2.05E-09	1.56E-09	4.30E-09	8.80E-10	3.28E-09

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

ET NO. 7c- cont. | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Air Sample Results

Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Filter iodine cpm	Cartridge Before Purge cpm	Cartridge After Purge cpm	Cartridge mRad/hr at 1 in.	Filter mRad/hr at 1 in.	N.G. Beta Emitters uCi/cc	Center Line Concentrations I -131 uCi/cc	I -132 uCi/cc	I -133 uCi/cc	I -134 uCi/cc	I -135 uCi/cc
6.5	130	12:20	116204	1333848	1162043	232.41	23.24	7.81E-05	2.48E-06	3.50E-06	5.52E-06	5.06E-06	5.06E-06
	145	12:35	56124	639258	561242	112.25	11.22	3.55E-05	1.29E-06	1.66E-06	2.85E-06	2.21E-06	2.44E-06
	160	12:50	24477	279269	244771	48.95	4.90	1.57E-05	5.98E-07	7.36E-07	1.29E-06	8.28E-07	1.10E-06
	175	13:05	11596	132040	115957	23.19	2.32	7.31E-06	2.94E-07	3.27E-07	6.44E-07	3.40E-07	5.52E-07
	190	13:20	3585	40715	35850	7.17	0.72	2.21E-06	9.66E-08	1.01E-07	2.07E-07	9.20E-08	1.70E-07
	220	13:50	630	7230	6305	1.26	0.13	4.21E-07	1.84E-08	1.66E-08	3.91E-08	1.20E-08	3.13E-08
	250	14:20	61	702	611	0.12	0.01	4.14E-08	1.93E-09	1.47E-09	4.05E-09	8.28E-10	3.08E-09
7	140	12:30	109636	1258456	1096362	219.27	21.93	7.37E-05	2.34E-06	3.30E-06	5.21E-06	4.77E-06	4.77E-06
	155	12:45	52952	603126	529519	105.90	10.59	3.35E-05	1.22E-06	1.56E-06	2.69E-06	2.08E-06	2.30E-06
	170	13:00	23094	263484	230936	46.19	4.62	1.48E-05	5.64E-07	6.94E-07	1.22E-06	7.81E-07	1.04E-06
	185	13:15	10940	124577	109403	21.88	2.19	6.90E-06	2.78E-07	3.08E-07	6.08E-07	3.21E-07	5.21E-07
	200	13:30	3382	38414	33824	6.76	0.68	2.09E-06	9.11E-08	9.55E-08	1.95E-07	8.68E-08	1.61E-07
	230	14:00	595	6822	5948	1.19	0.12	3.97E-07	1.74E-08	1.56E-08	3.69E-08	1.13E-08	2.95E-08
	260	14:30	58	662	576	0.12	0.01	3.90E-08	1.82E-09	1.39E-09	3.82E-09	7.81E-10	2.91E-09
7.5	150	12:40	103826	1191764	1038260	207.65	20.77	6.98E-05	2.22E-06	3.12E-06	4.93E-06	4.52E-06	4.52E-06
	165	12:55	50146	571163	501457	100.29	10.03	3.17E-05	1.15E-06	1.48E-06	2.55E-06	1.97E-06	2.18E-06
	180	13:10	21870	249521	218697	43.74	4.37	1.40E-05	5.34E-07	6.58E-07	1.15E-06	7.40E-07	9.86E-07
	195	13:25	10361	117975	103605	20.72	2.07	6.53E-06	2.63E-07	2.92E-07	5.75E-07	3.04E-07	4.93E-07
	210	13:40	3203	36378	32031	6.41	0.64	1.98E-06	8.63E-08	9.04E-08	1.85E-07	8.22E-08	1.52E-07
	240	14:10	563	6460	5633	1.13	0.11	3.76E-07	1.64E-08	1.48E-08	3.49E-08	1.07E-08	2.79E-08
	270	14:40	55	627	546	0.11	0.01	3.70E-08	1.73E-09	1.32E-09	3.62E-09	7.40E-10	2.75E-09
8	160	12:50	98774	1133770	987736	197.55	19.75	6.64E-05	2.11E-06	2.97E-06	4.69E-06	4.30E-06	4.30E-06
	175	13:05	47706	543369	477056	95.41	9.54	3.01E-05	1.09E-06	1.41E-06	2.42E-06	1.88E-06	2.07E-06
	190	13:20	20806	237379	208055	41.61	4.16	1.33E-05	5.08E-07	6.26E-07	1.09E-06	7.04E-07	9.38E-07
	205	13:35	9856	112234	98563	19.71	1.97	6.21E-06	2.50E-07	2.78E-07	5.47E-07	2.89E-07	4.69E-07
	220	13:50	3047	34608	30473	6.09	0.61	1.88E-06	8.21E-08	8.60E-08	1.76E-07	7.82E-08	1.45E-07
	250	14:20	536	6146	5359	1.07	0.11	3.58E-07	1.56E-08	1.41E-08	3.32E-08	1.02E-08	2.66E-08
	280	14:50	52	596	519	0.10	0.01	3.52E-08	1.64E-09	1.25E-09	3.44E-09	7.04E-10	2.62E-09
8.5	170	13:00	94226	1081576	942265	188.45	18.85	6.33E-05	2.01E-06	2.83E-06	4.48E-06	4.10E-06	4.10E-06
	185	13:15	45509	518355	455094	91.02	9.10	2.88E-05	1.04E-06	1.34E-06	2.31E-06	1.79E-06	1.98E-06
	200	13:30	19848	226451	198477	39.70	3.97	1.27E-05	4.85E-07	5.97E-07	1.04E-06	6.71E-07	8.95E-07
	215	13:45	9403	107068	94026	18.81	1.88	5.93E-06	2.39E-07	2.65E-07	5.22E-07	2.76E-07	4.48E-07
	230	14:00	2907	33015	29070	5.81	0.58	1.79E-06	7.83E-08	8.21E-08	1.68E-07	7.46E-08	1.38E-07
	260	14:30	511	5863	5112	1.02	0.10	3.41E-07	1.49E-08	1.34E-08	3.17E-08	9.70E-09	2.54E-08
	290	15:00	50	569	495	0.10	0.01	3.35E-08	1.57E-09	1.19E-09	3.28E-09	6.71E-10	2.50E-09
8.6	172	13:02	93469	1072877	934686	186.94	18.69	6.28E-05	2.00E-06	2.81E-06	4.44E-06	4.07E-06	4.07E-06
	187	13:25	45143	514186	451434	90.29	9.03	2.85E-05	1.04E-06	1.33E-06	2.29E-06	1.78E-06	1.96E-06
	202	13:32	19688	224630	196881	39.38	3.94	1.26E-05	4.81E-07	5.92E-07	1.04E-06	6.66E-07	8.88E-07
	217	13:47	9327	106206	93270	18.65	1.87	5.88E-06	2.37E-07	2.63E-07	5.18E-07	2.74E-07	4.44E-07
	232	14:02	2884	32749	28836	5.77	0.58	1.78E-06	7.77E-08	8.14E-08	1.67E-07	7.40E-08	1.37E-07
	262	14:32	507	5816	5071	1.01	0.10	3.38E-07	1.48E-08	1.33E-08	3.15E-08	9.62E-09	2.52E-08
	292	15:02	49	564	491	0.10	0.01	3.33E-08	1.55E-09	1.18E-09	3.26E-09	6.66E-10	2.48E-09
9	180	13:10	90185	1035182	901846	180.37	18.04	6.06E-05	1.93E-06	2.71E-06	4.28E-06	3.93E-06	3.93E-06
	195	13:35	43557	496120	435572	87.11	8.71	2.75E-05	1.00E-06	1.29E-06	2.21E-06	1.71E-06	1.89E-06
	210	13:40	18996	216737	189963	37.99	3.80	1.22E-05	4.64E-07	5.71E-07	1.00E-06	6.43E-07	8.57E-07
	225	13:55	8999	102475	89993	18.00	1.80	5.67E-06	2.28E-07	2.53E-07	5.00E-07	2.64E-07	4.28E-07
	240	14:10	2782	31599	27823	5.56	0.56	1.72E-06	7.50E-08	7.85E-08	1.61E-07	7.14E-08	1.32E-07
	270	14:40	489	5611	4893	0.98	0.10	3.26E-07	1.43E-08	1.29E-08	3.03E-08	9.28E-09	2.43E-08
	300	15:10	47	545	474	0.09	0.01	3.21E-08	1.50E-09	1.14E-09	3.14E-09	6.43E-10	2.39E-09

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

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SHEET NO. 7c - cont. | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Air Sample Results

Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Filter iodine cpm	Cartridge Before Purge cpm	Cartridge After Purge cpm	Cartridge mRad/hr at 1 in.	Filter mRad/hr at 1 in.	N.G. Beta Emitters uCi/cc	Center Line Concentrations I -131 uCi/cc	I -132 uCi/cc	I -133 uCi/cc	I -134 uCi/cc	I -135 uCi/cc
9.5	190	13:20	86648	994586	866480	173.30	17.33	5.82E-05	1.85E-06	2.61E-06	4.12E-06	3.77E-06	3.77E-06
	205	13:45	41849	476664	418491	83.70	8.37	2.64E-05	9.60E-07	1.23E-06	2.13E-06	1.65E-06	1.82E-06
	220	13:50	18251	208238	182514	36.50	3.65	1.17E-05	4.46E-07	5.49E-07	9.60E-07	6.17E-07	8.23E-07
	235	14:05	8646	98456	86464	17.29	1.73	5.45E-06	2.20E-07	2.44E-07	4.80E-07	2.54E-07	4.12E-07
	250	14:20	2673	30360	26732	5.35	0.53	1.65E-06	7.20E-08	7.55E-08	1.54E-07	6.86E-08	1.27E-07
	280	14:50	470	5391	4701	0.94	0.09	3.14E-07	1.37E-08	1.23E-08	2.92E-08	8.92E-09	2.33E-08
	310	15:20	46	523	455	0.09	0.01	3.08E-08	1.44E-09	1.10E-09	3.02E-09	6.17E-10	2.30E-09
10	200	13:30	83364	956891	833639	166.73	16.67	5.60E-05	1.78E-06	2.51E-06	3.96E-06	3.63E-06	3.63E-06
	215	13:45	40263	458598	402630	80.53	8.05	2.54E-05	9.24E-07	1.19E-06	2.05E-06	1.58E-06	1.75E-06
	230	14:00	17560	200345	175596	35.12	3.51	1.12E-05	4.29E-07	5.28E-07	9.24E-07	5.94E-07	7.92E-07
	245	14:15	8319	94725	83187	16.64	1.66	5.24E-06	2.11E-07	2.34E-07	4.62E-07	2.44E-07	3.96E-07
	260	14:30	2572	29209	25719	5.14	0.51	1.59E-06	6.93E-08	7.26E-08	1.49E-07	6.60E-08	1.22E-07
	290	15:00	452	5187	4523	0.90	0.09	3.02E-07	1.32E-08	1.19E-08	2.81E-08	8.58E-09	2.24E-08
	320	15:30	44	503	438	0.09	0.01	2.97E-08	1.39E-09	1.06E-09	2.90E-09	5.94E-10	2.21E-09
10.5	210	13:40	80585	924994	805851	161.17	16.12	5.42E-05	1.72E-06	2.42E-06	3.83E-06	3.51E-06	3.51E-06
	225	13:55	38921	443312	389209	77.84	7.78	2.46E-05	8.93E-07	1.15E-06	1.98E-06	1.53E-06	1.69E-06
	240	14:10	16974	193667	169743	33.95	3.39	1.09E-05	4.15E-07	5.10E-07	8.93E-07	5.74E-07	7.66E-07
	255	14:25	8041	91567	80414	16.08	1.61	5.07E-06	2.04E-07	2.26E-07	4.47E-07	2.36E-07	3.83E-07
	270	14:40	2486	28235	24861	4.97	0.50	1.53E-06	6.70E-08	7.02E-08	1.44E-07	6.38E-08	1.18E-07
	300	15:10	437	5014	4372	0.87	0.09	2.92E-07	1.28E-08	1.15E-08	2.71E-08	8.29E-09	2.17E-08
	330	15:40	42	487	424	0.08	0.01	2.87E-08	1.34E-09	1.02E-09	2.81E-09	5.74E-10	2.14E-09
11	220	13:50	77806	893098	778063	155.61	15.56	5.23E-05	1.66E-06	2.34E-06	3.70E-06	3.39E-06	3.39E-06
	235	14:05	37579	428025	375788	75.16	7.52	2.37E-05	8.62E-07	1.11E-06	1.91E-06	1.48E-06	1.63E-06
	250	14:20	16389	186989	163890	32.78	3.28	1.05E-05	4.00E-07	4.93E-07	8.62E-07	5.54E-07	7.39E-07
	265	14:35	7764	88410	77641	15.53	1.55	4.89E-06	1.97E-07	2.19E-07	4.31E-07	2.28E-07	3.70E-07
	280	14:50	2400	27262	24004	4.80	0.48	1.48E-06	6.47E-08	6.78E-08	1.39E-07	6.16E-08	1.14E-07
	310	15:20	422	4841	4221	0.84	0.08	2.82E-07	1.23E-08	1.11E-08	2.62E-08	8.01E-09	2.09E-08
	340	15:50	41	470	409	0.08	0.01	2.77E-08	1.29E-09	9.86E-10	2.71E-09	5.54E-10	2.06E-09

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 7d | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Plume Dose & Dose Rates

Field Data for 10:30 to 15:50

Distance Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Plume Centerline Dose Rem (WB)	Plume Centerline Dose Rem (THY)	Plume Dose Rates: At Waist Level Center Dose mR/hr (WC)	At Waist Level Half Dose mR/hr (WC)	At Waist Level Edge Dose mR/hr (WC)	At Ground Level Center Dose mR/hr (WO)	At Ground Level Half Dose mR/hr (WO)	At Ground Level Edge Dose mR/hr (WO).	Dose Rates in uR/hr Center Dose uR/hr (WC)	Half Dose uR/hr (WC)	Edge Dose uR/hr (WC)
1	20	10:30	4.32E-02	9.587	172.80	86.40	34.56	691.18	345.59	138.24			
	35	10:45	1.91E-02	4.931	76.56	38.28	15.31	306.22	153.11	61.24	---		
	50	11:00	7.84E-03	2.3104	31.35	15.67	6.27	125.39	62.70	25.08			
	65	11:15	3.44E-03	1.1109	13.76	6.88	2.75	55.03	27.52	11.01			
	80	11:30	2.09E-03	0.7291	4.18	2.09	0.84	16.72	8.36	3.34	4180	2090	1045
	110	12:00	3.49E-04	0.1386	0.70	0.35	0.14	2.79	1.39	0.56	697	349	174
	140	12:30	6.44E-05	0.0287	0.06	0.03	0.01	0.26	0.13	0.05	64	32	16
1.2	24	10:34	4.41E-02	9.777	176.22	88.11	35.24	704.86	352.43	140.97			
	39	10:49	1.88E-02	5.028	75.07	37.53	15.01	300.27	150.14	60.05			
	54	11:04	7.84E-03	2.3104	31.35	15.67	6.27	125.39	62.70	25.08			
	69	11:19	3.51E-03	1.1329	14.03	7.02	2.81	56.12	28.06	11.22			
	84	11:34	2.13E-03	0.7435	4.26	2.13	0.85	17.05	8.53	3.41	4263	2132	1066
	114	12:04	3.56E-04	0.1413	0.71	0.36	0.14	2.84	1.42	0.57	711	356	178
	144	12:34	6.57E-05	0.0293	0.07	0.03	0.01	0.26	0.13	0.05	66	33	16
1.4	28	10:38	4.33E-02	9.6	173.03	86.52	34.61	692.13	346.06	138.43			
	43	10:53	1.88E-02	4.937	75.17	37.59	15.03	300.69	150.34	60.14			
	58	11:08	0.007695	2.2687	30.781	15.39	6.16	123.12	61.5616	24.62			
	73	11:23	3.44E-03	1.1124	13.78	6.89	2.76	55.11	27.55	11.02			
	88	11:38	2.09E-03	0.7301	4.19	2.09	0.84	16.74	8.37	3.35	4186	2093	1047
	118	12:08	3.49E-04	0.1388	0.70	0.35	0.14	2.79	1.40	0.56	698	349	175
	148	12:38	6.45E-05	0.0287	0.06	0.03	0.01	0.26	0.13	0.05	65	32	16
1.5	30	10:40	4.25E-02	9.436	170.06	85.03	34.01	680.24	340.12	136.05			
	45	10:55	1.85E-02	4.853	73.88	36.94	14.78	295.53	147.76	59.11			
	60	11:10	7.56E-03	2.2297	30.25	15.13	6.05	121.01	60.51	24.20			
	75	11:25	3.39E-03	1.0933	13.54	6.77	2.71	54.16	27.08	10.83			
	90	11:40	2.06E-03	0.7176	4.11	2.06	0.82	16.46	8.23	3.29	4114	2132	1066
	120	12:10	3.43E-04	0.1364	0.69	0.34	0.14	2.74	1.37	0.55	686	343	172
	150	12:40	6.34E-05	0.0282	0.06	0.03	0.01	0.25	0.13	0.05	63	32	16
2	40	10:50	3.76E-02	8.353	150.55	75.28	30.11	602.21	301.10	120.44			
	55	11:05	1.64E-02	4.296	65.40	32.70	13.08	261.62	130.81	52.32			
	70	11:20	6.70E-03	1.9739	26.78	13.39	5.36	107.13	53.56	21.43			
	85	11:35	3.00E-03	0.9679	11.99	5.99	2.40	47.95	23.97	9.59			
	100	11:50	1.82E-03	0.6353	3.64	1.82	0.73	14.57	7.28	2.91	3642	1821	911
	130	12:20	3.04E-04	0.1207	0.61	0.30	0.12	2.43	1.21	0.49	607	304	152
	160	12:50	5.61E-05	0.025	0.06	0.03	0.01	0.22	0.11	0.04	56	28	14
2.5	50	11:00	3.29E-02	7.292	131.43	65.72	26.29	525.73	262.86	105.15			
	65	11:15	1.43E-02	3.75	57.10	28.55	11.42	228.40	114.20	45.68			
	80	11:30	5.85E-03	1.7233	23.38	11.69	4.68	93.52	46.76	18.70			
	95	11:45	2.62E-03	0.845	10.47	5.23	2.09	41.86	20.93	8.37			
	110	12:00	1.59E-03	0.5546	3.18	1.59	0.64	12.72	6.36	2.54	3180	1590	795
	140	12:30	2.65E-04	0.1054	0.53	0.27	0.11	2.12	1.06	0.42	530	265	133
	170	13:00	4.90E-05	0.0218	0.05	0.02	0.01	0.20	0.10	0.04	49	25	12

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
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SHEET NO. 7d - cont. | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Plume Dose & Dose Rates

Field Data for 10:30 to 15:50

			Plume Centerline		Plume Dose Rates: At Waist Level			At Ground Level			Dose Rates in uR/hr		
Distance Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Dose Rem (WB)	Dose Rem (THY)	Center Dose mR/hr (WC)	Half Dose mR/hr (WC)	Edge Dose mR/hr (WC)	Center Dose mR/hr (WO)	Half Dose mR/hr (WO)	Edge Dose mR/hr (WO)	Center Dose uR/hr (WC)	Half Dose uR/hr (WC)	Edge Dose uR/hr (WC)
2.6	52	11:02	3.20E-02	7.102	128.00	64.00	25.60	511.98	255.99	102.40			
	67	11:17	1.39E-02	3.652	55.61	27.80	11.12	222.43	111.21	44.49			
	82	11:32	5.69E-03	1.6782	22.77	11.38	4.55	91.08	45.54	18.22			
	97	11:47	2.55E-03	0.8229	10.19	5.10	2.04	40.76	20.38	8.15			
	112	12:02	1.55E-03	0.5401	3.10	1.55	0.62	12.39	6.19	2.48	3097	1548	774
	142	12:32	2.58E-04	0.1026	0.52	0.26	0.10	2.07	1.03	0.41	516	258	129
	172	13:02	4.77E-05	0.0213	0.05	0.02	0.01	0.19	0.10	0.04	48	24	12
3	60	11:10	2.89E-02	6.415	115.62	57.81	23.12	462.48	231.24	92.50			
	75	11:25	1.26E-02	3.299	50.23	25.12	10.05	200.92	100.46	40.18			
	90	11:40	5.14E-03	1.5159	20.57	10.28	4.11	82.27	41.14	16.45			
	105	11:55	2.30E-03	0.7433	9.21	4.60	1.84	36.82	18.41	7.36			
	120	12:10	1.40E-03	0.4879	2.80	1.40	0.56	11.19	5.59	2.24	2797	1399	699
	150	12:40	2.33E-04	0.0927	0.47	0.23	0.09	1.87	0.93	0.37	467	233	117
	180	13:10	4.31E-05	0.0192	0.04	0.02	0.01	0.17	0.09	0.03	43	22	11
3.5	70	11:20	2.57E-02	5.712	102.95	51.48	20.59	411.82	205.91	82.36			
	85	11:35	1.12E-02	2.938	44.73	22.36	8.95	178.91	89.46	35.78			
	100	11:50	4.58E-03	1.3499	18.31	9.16	3.66	73.26	36.63	14.65			
	115	12:05	2.05E-03	0.6619	8.20	4.10	1.64	32.79	16.39	6.56			
	130	12:20	1.25E-03	0.4344	2.49	1.25	0.50	9.96	4.98	1.99	2491	1245	623
	160	12:50	2.08E-04	0.0826	0.42	0.21	0.08	1.66	0.83	0.33	415	208	104
	190	13:20	3.94E-05	0.0175	0.04	0.02	0.01	0.16	0.08	0.03	39	20	10
4	80	11:30	2.32E-02	5.148	92.79	46.39	18.56	371.14	185.57	74.23			
	95	11:45	1.01E-02	2.648	40.31	20.15	8.06	161.23	80.62	32.25			
	110	12:00	4.13E-03	1.2165	16.51	8.25	3.30	66.02	33.01	13.20			
	125	12:15	1.85E-03	0.5965	7.39	3.69	1.48	29.55	14.78	5.91			
	140	12:30	1.12E-03	0.3915	2.24	1.12	0.45	8.98	4.49	1.80	2245	1122	561
	170	13:00	1.87E-04	0.0744	0.37	0.19	0.07	1.50	0.75	0.30	374	187	94
	200	13:30	3.46E-05	0.0154	0.03	0.02	0.01	0.14	0.07	0.03	35	17	9
4.5	90	11:40	2.11E-02	4.69	84.53	42.26	16.91	338.11	169.06	67.62			
	105	11:55	9.18E-03	2.412	36.72	18.36	7.34	146.89	73.44	29.38			
	120	12:10	3.76E-03	1.1083	15.04	7.52	3.01	60.15	30.07	12.03			
	135	12:25	1.68E-03	0.5434	6.73	3.37	1.35	26.92	13.46	5.38			
	150	12:40	1.02E-03	0.3567	2.04	1.02	0.41	8.18	4.09	1.64	2045	1022	511
	180	13:10	1.71E-04	0.0678	0.34	0.17	0.07	1.36	0.68	0.27	341	171	85
	210	13:40	3.15E-05	0.014	0.03	0.02	0.01	0.13	0.06	0.03	32	16	6
5	100	11:50	1.94E-02	4.313	77.73	38.86	15.55	310.90	155.45	62.18			
	115	12:05	8.44E-03	2.218	33.77	16.88	6.75	135.07	67.54	27.01			
	130	12:20	3.46E-03	1.0191	13.83	6.91	2.77	55.31	27.65	11.06			
	145	12:35	1.55E-03	0.4997	6.19	3.09	1.24	24.75	12.38	4.95			
	160	12:50	9.40E-04	0.328	1.88	0.94	0.38	7.52	3.76	1.50	1880	940	376
	190	13:20	1.57E-04	0.0623	0.31	0.16	0.06	1.25	0.63	0.25	314	157	63
	220	13:50	2.90E-05	0.0129	0.03	0.01	0.01	0.12	0.06	0.02	29	14	6

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
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SHEET NO. 7d - cont. | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

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INFORMATION APPLIES TO: Field Team Data - Plume Dose & Dose Rates

Field Data for 10:30 to 15:50

			Plume Centerline		Plume Dose Rates: At Waist Level			At Ground Level			Dose Rates in uR/hr		
Distance Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Dose Rem (WB)	Dose Rem (THY)	Center Dose mR/hr (WC)	Half Dose mR/hr (WC)	Edge Dose mR/hr (WC)	Center Dose mR/hr (WO)	Half Dose mR/hr (WO)	Edge Dose mR/hr (WO)	Center Dose uR/hr (WC)	Half Dose uR/hr (WC)	Edge Dose uR/hr (WC)
5.5	110	12:00	1.80E-02	3.997	72.04	36.02	14.41	288.18	144.09	57.64			
	125	12:15	7.82E-03	2.056	31.30	15.65	6.26	125.20	62.60	25.04			
	140	12:30	3.20E-03	0.9446	12.82	6.41	2.56	51.26	25.63	10.25			
	155	12:45	1.43E-03	0.4621	5.72	2.86	1.14	22.89	11.45	4.58			
	170	13:00	8.71E-04	0.304	1.74	0.87	0.35	6.97	3.49	1.39	1743	871	349
	200	13:30	1.45E-04	0.0578	0.29	0.15	0.06	1.16	0.58	0.23	291	145	58
	230	14:00	2.69E-05	0.012	0.03	0.01	0.01	0.11	0.05	0.02	27	13	5
5.6	112	12:02	1.78E-02	3.94	71.02	35.51	14.20	284.08	142.04	56.82			
	127	12:17	7.71E-03	2.027	30.85	15.43	6.17	123.42	61.71	24.68			
	142	12:32	3.16E-03	0.9312	12.63	6.32	2.53	50.54	25.27	10.11			
	157	12:47	1.41E-03	0.4566	5.65	2.83	1.13	22.62	11.31	4.52			
	172	13:02	8.59E-04	0.2997	1.72	0.86	0.34	6.87	3.44	1.37	1718	859	344
	202	13:32	1.43E-04	0.057	0.29	0.14	0.06	1.15	0.57	0.23	287	143	57
	232	14:02	2.65E-05	0.0118	0.03	0.01	0.01	0.11	0.05	0.02	26	13	5
6	120	12:10	1.68E-02	3.731	67.24	33.62	13.45	268.94	134.47	53.79			
	135	12:25	7.30E-03	1.919	29.21	14.61	5.84	116.84	58.42	23.37			
	150	12:40	2.99E-03	0.8816	11.96	5.98	2.39	47.84	23.92	9.57			
	165	12:55	1.34E-03	0.4323	5.35	2.68	1.07	21.41	10.71	4.28			
	180	13:10	8.13E-04	0.2837	1.63	0.81	0.33	6.51	3.25	1.30	1627	813	325
	210	13:40	1.36E-04	0.0539	0.27	0.14	0.05	1.09	0.54	0.22	271	136	54
	240	14:10	2.51E-05	0.0112	0.03	0.01	0.01	0.10	0.05	0.02	25	13	5
6.5	130	12:20	1.58E-02	3.502	63.12	31.56	12.62	252.49	126.24	50.50			
	145	12:35	6.86E-03	1.801	27.42	13.71	5.48	109.69	54.85	21.94			
	160	12:50	2.81E-03	0.8276	11.23	5.61	2.25	44.92	22.46	8.98			
	175	13:05	1.26E-03	0.4058	5.03	2.51	1.01	20.10	10.05	4.02			
	190	13:20	7.64E-04	0.2663	1.53	0.76	0.31	6.11	3.05	1.22	1527	764	305
	220	13:50	1.27E-04	0.0506	0.25	0.13	0.05	1.02	0.51	0.20	255	127	51
	250	14:20	2.35E-05	0.0105	0.02	0.01	0.00	0.09	0.05	0.02	24	12	5
7	140	12:30	1.49E-02	3.305	59.56	29.78	11.91	238.24	119.12	47.65			
	155	12:45	6.47E-03	1.7	25.87	12.94	5.17	103.49	51.74	20.70			
	170	13:00	2.65E-03	0.7809	10.60	5.30	2.12	42.38	21.19	8.48			
	185	13:15	1.19E-03	0.3829	4.74	2.37	0.95	18.97	9.48	3.79			
	200	13:30	7.20E-04	0.2513	1.44	0.72	0.29	5.76	2.88	1.15	1441	720	288
	230	14:00	1.20E-04	0.0478	0.24	0.12	0.05	0.96	0.48	0.19	240	120	48
	260	14:30	2.22E-05	0.0099	0.02	0.01	0.00	0.09	0.04	0.02	22	11	4
7.5	150	12:40	1.41E-02	3.132	56.45	28.23	11.29	225.80	112.90	45.16			
	165	12:55	6.13E-03	1.611	24.52	12.26	4.90	98.10	49.05	19.62			
	180	13:10	2.51E-03	0.7401	10.04	5.02	2.01	40.17	20.08	8.03			
	195	13:25	1.12E-03	0.3629	4.49	2.25	0.90	17.98	8.99	3.60			
	210	13:40	6.83E-04	0.2382	1.37	0.68	0.27	5.46	2.73	1.09	1366	683	273
	240	14:10	1.14E-04	0.0453	0.23	0.11	0.05	0.91	0.46	0.18	228	114	46
	270	14:40	2.10E-05	0.0094	0.02	0.01	0.00	0.08	0.04	0.02	21	11	4

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INFORMATION APPLIES TO: Field Team Data - Plume Dose & Dose Rates

Field Data for 10:30 to 15:50

Distance Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Plume Centerline Dose Rem (WB)	Plume Centerline Dose Rem (THY)	Plume Dose Rates: At Waist Level Center Dose mR/hr (WC)	At Waist Level Half Dose mR/hr (WC)	At Waist Level Edge Dose mR/hr (WC)	At Ground Level Center Dose mR/hr (WO)	At Ground Level Half Dose mR/hr (WO)	At Ground Level Edge Dose mR/hr (WO)	Dose Rates in uR/hr Center Dose uR/hr (WC)	Dose Rates in uR/hr Half Dose uR/hr (WC)	Dose Rates in uR/hr Edge Dose uR/hr (WC)
8	160	12:50	1.34E-02	2.98	53.71	26.85	10.74	214.84	107.42	42.97			
	175	13:05	5.83E-03	1.533	23.33	11.67	4.67	93.34	46.67	18.67			
	190	13:20	2.39E-03	0.7042	9.55	4.78	1.91	38.22	19.11	7.64			
	205	13:35	1.07E-03	0.3453	4.28	2.14	0.86	17.11	8.55	3.42			
	220	13:50	6.50E-04	0.2266	1.30	0.65	0.26	5.20	2.60	1.04	1299	650	260
	250	14:20	1.09E-04	0.0435	0.22	0.11	0.04	0.87	0.44	0.17	219	109	44
	280	14:50	2.00E-05	0.0089	0.02	0.01	0.00	0.08	0.04	0.02	20	10	4
8.5	170	13:00	1.28E-02	2.845	51.28	25.64	10.26	205.11	102.55	41.02			
	185	13:15	5.57E-03	1.463	22.28	11.14	4.46	89.11	44.55	17.82			
	200	13:30	2.28E-03	0.6726	9.13	4.56	1.83	36.50	18.25	7.30			
	215	13:45	1.02E-03	0.3297	4.08	2.04	0.82	16.33	8.17	3.27			
	230	14:00	6.20E-04	0.2164	1.24	0.62	0.25	4.96	2.48	0.99	1241	620	248
	260	14:30	1.03E-04	0.0411	0.21	0.10	0.04	0.83	0.41	0.17	207	103	41
	290	15:00	1.91E-05	0.0085	0.02	0.01	0.00	0.08	0.04	0.02	19	10	4
8.6	172	13:02	1.27E-02	2.82	50.82	25.41	10.16	203.30	101.65	40.66			
	187	13:17	5.52E-03	1.45	22.08	11.04	4.42	88.32	44.16	17.66			
	202	13:32	2.26E-03	0.6663	9.04	4.52	1.81	36.16	18.08	7.23			
	217	13:47	1.01E-03	0.3267	4.05	2.02	0.81	16.19	8.09	3.24			
	232	14:02	6.15E-04	0.2144	1.23	0.61	0.25	4.92	2.46	0.98	1230	615	246
	262	14:32	1.03E-04	0.0408	0.21	0.10	0.04	0.82	0.41	0.16	205	103	41
	292	15:02	1.90E-05	0.0084	0.02	0.01	0.00	0.08	0.04	0.02	19	9	4
9	180	13:10	1.23E-02	2.724	49.10	24.55	9.82	196.41	98.21	39.28			
	195	13:25	5.33E-03	1.401	21.33	10.67	4.27	85.33	42.66	17.07			
	210	13:40	2.18E-03	0.6438	8.74	4.37	1.75	34.94	17.47	6.99			
	225	13:55	9.77E-04	0.3157	3.91	1.95	0.78	15.64	7.82	3.13			
	240	14:10	5.94E-04	0.2072	1.19	0.59	0.24	4.75	2.38	0.95	1188	594	238
	270	14:40	9.91E-05	0.0394	0.20	0.10	0.04	0.79	0.40	0.16	198	99	40
	300	15:10	1.83E-05	0.0082	0.02	0.01	0.00	0.07	0.04	0.01	18	9	4
9.5	190	13:20	1.18E-02	2.616	47.15	23.57	9.43	188.59	94.30	37.72			
	205	13:35	5.12E-03	1.345	20.48	10.24	4.10	81.93	40.97	16.39			
	220	13:50	2.10E-03	0.6182	8.39	4.19	1.68	33.55	16.77	6.71			
	235	14:05	9.39E-04	0.3031	3.75	1.88	0.75	15.02	7.51	3.00			
	250	14:20	5.70E-04	0.1989	1.14	0.57	0.23	4.56	2.28	0.91	1141	570	228
	280	14:50	9.51E-05	0.0378	0.19	0.10	0.04	0.76	0.38	0.15	190	95	38
	310	15:20	1.76E-05	0.0078	0.02	0.01	0.00	0.07	0.04	0.01	18	9	4
10	200	13:30	1.13E-02	2.518	45.38	22.69	9.08	181.52	90.76	36.30			
	215	13:45	4.93E-03	1.295	19.72	9.86	3.94	78.86	39.43	15.77			
	230	14:00	2.02E-03	0.595	8.07	4.04	1.61	32.29	16.14	6.46			
	245	14:15	9.03E-04	0.2917	3.61	1.81	0.72	14.45	7.23	2.89			
	260	14:30	5.49E-04	0.1915	1.10	0.55	0.22	4.39	2.20	0.88	1098	549	220
	290	15:00	9.16E-05	0.0364	0.18	0.09	0.04	0.73	0.37	0.15	183	92	37
	320	15:30	1.69E-05	0.0075	0.02	0.01	0.00	0.07	0.03	0.01	17	8	3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

SHEET NO. 7d -cont. | RESPONSIBLE CONTROLLER (LOCATION) TSC, MUDAC, and HP Center

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO: Field Team Data - Plume Dose & Dose Rates

Field Data for 10:30 to 15:50

			Plume Centerline		Plume Dose Rates: At Waist Level			At Ground Level			Dose Rates in uR/hr		
Distance Miles	Cloud Arriva Time T+min	Cloud Arriva Time	Dose Rem (WB)	Dose Rem (THY)	Center Dose mR/hr (WC)	Half Dose mR/hr (WC)	Edge Dose mR/hr (WC)	Center Dose mR/hr (WO)	Half Dose mR/hr (WO)	Edge Dose mR/hr (WO)	Center Dose uR/hr (WC)	Half Dose uR/hr (WC)	Edge Dose uR/hr (WC)
10.5	210	13:40	1.09E-02	2.429	43.77	21.89	8.75	175.09	87.55	35.02			
	225	13:55	4.75E-03	1.249	19.02	9.51	3.80	76.07	38.03	15.21			
	240	14:10	1.95E-03	0.5739	7.79	3.89	1.56	31.15	15.57	6.23			
	255	14:25	8.71E-04	0.2814	3.49	1.74	0.70	13.94	6.97	2.79			
	270	14:40	5.29E-04	0.1847	1.06	0.53	0.21	4.24	2.12	0.85	1059	529	212
	300	15:10	8.83E-05	0.0351	0.18	0.09	0.04	0.71	0.35	0.14	177	88	35
	330	15:40	1.63E-05	0.0073	0.02	0.01	0.00	0.07	0.03	0.01	16	8	3
11	220	13:50	1.06E-02	2.347	42.30	21.15	8.46	169.22	84.61	33.84			
	235	14:05	4.58E-03	1.211	18.32	9.16	3.66	73.26	36.63	14.65			
	250	14:20	1.89E-03	0.5557	7.54	3.77	1.51	30.16	15.08	6.03			
	265	14:35	8.43E-04	0.2724	3.37	1.69	0.67	13.49	6.75	2.70			
	280	14:50	5.12E-04	0.1788	1.02	0.51	0.20	4.10	2.05	0.82	1025	512	205
	310	15:20	8.55E-05	0.034	0.17	0.09	0.03	0.68	0.34	0.14	171	85	34
	340	15:50	1.58E-05	0.007	0.02	0.01	0.00	0.06	0.03	0.01	16	8	3

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE ____ of
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)

VALID FOR TIMES OF:
REAL TIME ☐ AM ☐ PM TO ☐ AM ☐ PM
DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

- INTENTIONALLY BLANK -

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	___ of ___

SI[redacted] NO.	RESPONSIBLE CONTROLLER (LOCATION)
7e	MUDAC, Field Teams

VALID FOR TIMES OF:							
REAL TIME	0700 ☐ AM ☐ PM	TO	1600 ☐ AM ☐ PM	DRILL TIME	0000 HOURS	TO	0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	Field Team Data - Vehicle and Personnel Contamination

A. Instructions -

1. Determine team exposure proximity (in miles) and time (in minutes) to the passing plume from team travel and the direct reading map at Data Sheet 7b. Distinguish periods when the personnel exposure is lessened by a protection factor of 3 for the vehicle with windows and vents closed.

2. Compute the contamination readings for team vehicle and personnel utilizing the table and formula below.

3. Provide pancake GM readings above background in cpm/probe area.

NOTE: The effective T ½ is approximately 9 days.

B. Table - Plume Pathway

Distance from Plant (miles)	Value Centerline (cpm)	Values Off Centerline 1 Sigma (cpm)	Values Off Centerline 25% (cpm)	Valid for Times After (Time)
1.0	50,000	33,300	12,500	1100
1.2	50,800	33,850	12,700	1104
2.0	43,600	29,100	10,900	1120
3.0	33,400	22,200	8,350	1140
4.0	26,800	17,850	6,700	1200
5.0	22,500	15,000	5,600	1220
6.0	19,400	12,900	4,850	1240
7.0	17,200	11,500	4,300	1300

C. Formula -

1. Vehicle Contamination Reading:

Value (cpm)		Exposure Time (minutes)			Reading (cpm)
	x		/ 150	=	
_____	x	_____	/ 150	=	_____
_____	x	_____	/ 150	=	_____
_____	x	_____	/ 150	=	_____

Total Vehicle Contamination Reading = _____

2. Personnel Contamination Reading:
Exposure reduced by vehicle protection factor...

Vehicle Exposure _____ / 3 = _____

Total Personnel Contamination Reading: _____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
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SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
8	ALL

VALID FOR TIMES OF:					
REAL TIME 0700	☐ AM ☐ PM	TO 1600	☐ AM ☐ PM	DRILL TIME 0000 HOURS	TO 0900 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	PLANT LAB AND HP CENTER DATA INDEX

DATA SHEET	ITEM
8a	Source Term by Time & Nuclide
8b	Deposition of Radioiodines - TG Building
8c*	Deposition of Radioiodines - Field Team Samples
8d**	Atmospheric Sample Data - Drywell (PASS)
8e**	Atmospheric Sample Data - Computer Printout (PASS)
8f**	Liquid Sample Data (PASS)
8g**	Liquid Sample Data Printout (PASS)
8h**	Dose Rates, Contamination Level & PASS Room Conditions
8j**	Whole Body Count Data
7c	Field Team Air Sample Results (Refer to Field Team Data)
4i	Air Sample Results, TG Building (DPM) with In Plant Area Dose Rates
4j	Air Sample Results, TG Building (Concentrations) with In Plant Area Dose Rates

* Not Submitted with July Submittal as Radioiodine deposition determination is not a listed objective.

** Not submitted with July Submittal as PASS is not a listed objective.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise-90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
8a	TSC, MUDAC, and HP Center

VALID FOR TIMES OF:							
REAL TIME	7:00	☐ AM ☐ PM	TO	16:00	☐ AM ☐ PM	DRILL TIME	0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	PLant Lab and HP Center Data Source Term by Time

Source Term for TG Building by Time & Nuclide

Time	10:11	10:15	10:20	10:25	10:30	10:35	10:40	10:45	10:50	10:55	11:00	11:05
Nuclide	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
Kr85m	5.87E-03	2.58E-03	1.40E-03	5.53E-04	2.02E-04	7.34E-05	2.74E-05	1.05E-05	3.98E-06	1.48E-06	5.41E-07	1.97E-07
Kr85	3.12E-04	2.54E-04	2.98E-04	2.56E-04	2.02E-04	1.60E-04	1.29E-04	1.08E-04	8.80E-05	7.08E-05	5.62E-05	4.43E-05
Kr87	1.33E-02	1.04E-02	1.17E-02	9.60E-03	7.25E-03	5.46E-03	4.23E-03	3.37E-03	2.63E-03	2.02E-03	1.53E-03	1.15E-03
Kr88	1.89E-02	1.52E-02	1.75E-02	1.47E-02	1.14E-02	8.79E-03	6.98E-03	5.70E-03	4.56E-03	3.59E-03	2.80E-03	2.16E-03
Xe131m	1.65E-04	1.35E-04	1.58E-04	1.36E-04	1.07E-04	8.45E-05	6.84E-05	5.70E-05	4.65E-05	3.74E-05	2.97E-05	2.34E-05
Xe133m	2.37E-03	1.93E-03	2.26E-03	1.94E-03	1.53E-03	1.21E-03	9.75E-04	8.12E-04	6.63E-04	5.32E-04	4.23E-04	3.32E-04
Xe133	5.73E-02	4.67E-02	5.48E-02	4.70E-02	3.72E-02	2.93E-02	2.37E-02	1.97E-02	1.61E-02	1.30E-02	1.03E-02	8.11E-03
Xe135m	1.04E-02	7.09E-03	6.64E-03	4.54E-03	2.86E-03	1.80E-03	1.16E-03	7.72E-04	5.03E-04	3.23E-04	2.04E-04	1.28E-04
Xe135	7.47E-03	6.04E-03	7.03E-03	5.98E-03	4.69E-03	3.66E-03	2.94E-03	2.43E-03	1.97E-03	1.57E-03	1.24E-03	9.65E-04
Xe137	4.19E-02	1.66E-02	7.90E-03	2.75E-03	8.82E-04	2.82E-04	9.26E-05	3.13E-05	1.04E-05	3.39E-06	1.09E-06	3.49E-07
Xe138	4.54E-02	3.04E-02	2.79E-02	1.87E-02	1.16E-02	7.14E-03	4.52E-03	2.95E-03	1.88E-03	1.19E-03	7.37E-04	4.54E-04
I131	2.71E-03	2.21E-03	2.59E-03	2.22E-03	1.76E-03	1.39E-03	1.12E-03	9.35E-04	7.63E-04	6.14E-04	4.88E-04	3.84E-04
I132	3.94E-03	3.14E-03	3.60E-03	3.01E-03	2.32E-03	1.79E-03	1.41E-03	1.15E-03	9.12E-04	7.15E-04	5.54E-04	4.26E-04
I133	5.70E-03	4.63E-03	5.43E-03	4.64E-03	3.66E-03	2.88E-03	2.33E-03	1.93E-03	1.57E-03	1.26E-03	1.00E-03	7.86E-04
I134	6.18E-03	4.78E-03	5.25E-03	4.22E-03	3.12E-03	2.31E-03	1.75E-03	1.36E-03	1.04E-03	7.85E-04	5.84E-04	4.31E-04
I135	5.35E-03	4.33E-03	5.04E-03	4.29E-03	3.36E-03	2.63E-03	2.11E-03	1.74E-03	1.41E-03	1.12E-03	8.86E-04	6.92E-04

Time	11:10	11:20	11:30	11:40	11:50	12:00	12:10	12:30	12:40	12:50	13:00	13:10
Nuclide	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
Kr85m	7.09E-08	9.04E-09	1.13E-09	1.40E-10	1.70E-11	2.06E-12	2.48E-13	3.52E-15	4.18E-16	4.93E-17	5.81E-18	6.83E-19
Kr85	3.46E-05	2.07E-05	1.22E-05	7.05E-06	4.04E-06	2.30E-06	1.30E-06	4.07E-07	2.27E-07	1.26E-07	6.96E-08	3.84E-08
Kr87	8.61E-04	4.70E-04	2.52E-04	1.34E-04	6.99E-05	3.62E-05	1.87E-05	4.88E-06	2.48E-06	1.26E-06	6.35E-07	3.20E-07
Kr88	1.65E-03	9.51E-04	5.36E-04	2.98E-04	1.64E-04	8.96E-05	4.86E-05	1.41E-05	7.51E-06	4.00E-06	2.13E-06	1.13E-06
Xe131m	1.83E-05	1.09E-05	6.43E-06	3.73E-06	2.13E-06	1.21E-06	6.84E-07	2.15E-07	1.19E-07	6.62E-08	3.66E-08	2.02E-08
Xe133m	2.59E-04	1.55E-04	9.09E-05	5.26E-05	3.01E-05	1.71E-05	9.60E-06	3.00E-06	1.67E-06	9.23E-07	5.10E-07	2.81E-07
Xe133	6.33E-03	3.79E-03	2.22E-03	1.29E-03	7.37E-04	4.19E-04	2.36E-04	7.40E-05	4.11E-05	2.28E-05	1.26E-05	6.96E-06
Xe135m	7.99E-05	3.04E-05	1.14E-05	4.19E-06	1.53E-06	5.52E-07	1.98E-07	2.51E-08	8.89E-09	3.14E-09	1.10E-09	3.87E-10
Xe135	7.47E-04	4.40E-04	2.54E-04	1.45E-04	8.14E-05	4.55E-05	2.52E-05	7.64E-06	4.18E-06	2.28E-06	1.24E-06	6.73E-07
Xe137	1.10E-07	1.09E-08	1.05E-09	1.00E-10	9.46E-12	8.85E-13	8.22E-14	6.98E-16	6.39E-17	5.84E-18	5.31E-19	4.83E-20
Xe138	2.77E-04	1.02E-04	3.65E-05	1.29E-05	4.54E-06	1.58E-06	5.45E-07	6.40E-08	2.18E-08	7.40E-09	2.50E-09	8.46E-10
I131	3.00E-04	1.79E-04	1.05E-04	6.10E-05	3.50E-05	1.99E-05	1.12E-05	3.51E-06	1.95E-06	1.08E-06	5.99E-07	3.31E-07
I132	3.24E-04	1.85E-04	1.03E-04	5.68E-05	3.09E-05	1.67E-05	8.97E-06	2.54E-06	1.35E-06	7.10E-07	3.74E-07	1.96E-07
I133	6.12E-04	3.65E-04	2.13E-04	1.23E-04	7.00E-05	3.96E-05	2.22E-05	6.89E-06	3.82E-06	2.11E-06	1.16E-06	6.36E-07
I134	3.15E-04	1.65E-04	8.51E-05	4.32E-05	2.17E-05	1.08E-05	5.35E-06	1.29E-06	6.29E-07	3.06E-07	1.48E-07	7.18E-08
I135	5.35E-04	3.15E-04	1.82E-04	1.04E-04	5.84E-05	3.26E-05	1.81E-05	5.48E-06	3.00E-06	1.63E-06	8.89E-07	4.82E-07

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO. Exercise-90 | PAGE ____ of ____

S[redacted] NO. 8b | RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)

VALID FOR TIMES OF: REAL TIME 7:00 ☐AM ☐PM TO 16:00 ☐AM ☐PM | DRILL TIME 0:00 HOURS TO 9:00 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
Plant Lab and HP Center Data- Iodine
Plate Out/Deposition in TGBuilding

Time	Percent Plate Out of 20% of total Iodines in Curies						Percent Plate Out of 20% of total Iodines in TGB in uCuries/cm^2				
	I131 Curies	I132 Curies	I133 Curies	I134 Curies	I135 Curies	Percent Plate Out of 20%	I131 uCi/cm^2	I132 uCi/cm^2	I133 uCi/cm^2	I134 uCi/cm^2	I135 uCi/cm^2
8:00		No plate out until 1045 hou				0		No plate out until 1045 hours			
8:30						0					
9:00						0					
9:30						0					
9:55						0					
SCRAM @ 9:55 A.M. and Fuel Failuer Begins											
10:00						0					
10:05						0					
10:10						0					
10:11						0					
10:12						0					
10:13						0					
10:14						0					
10:15						0					
10:20						0					
10:25						0					
10:30						0					
10:45	2.46	2.80	5.06	2.95	4.48	0.25	1.29E-04	1.47E-04	2.65E-04	1.55E-04	2.35E-04
11:00	4.93	5.60	10.11	5.90	8.95	0.50	2.58E-04	2.94E-04	5.30E-04	3.09E-04	4.69E-04
11:15	9.85	11.20	20.22	11.80	17.90	1.00	5.16E-04	5.87E-04	1.06E-03	6.19E-04	9.38E-04
11:30	9.85	10.38	20.05	9.68	17.44	0.95	5.16E-04	5.44E-04	1.05E-03	5.07E-04	9.14E-04
11:45	9.84	9.62	19.89	7.94	16.98	0.91	5.16E-04	5.04E-04	1.04E-03	4.16E-04	8.90E-04
12:00	9.83	8.92	19.72	6.52	16.54	0.87	5.15E-04	4.67E-04	1.03E-03	3.42E-04	8.67E-04
12:15	9.82	8.26	19.56	5.35	16.11	0.83	5.15E-04	4.33E-04	1.03E-03	2.80E-04	8.44E-04
12:30	9.81	7.66	19.40	4.39	15.69	0.80	5.14E-04	4.01E-04	1.02E-03	2.30E-04	8.23E-04
12:35	9.81	7.38	19.32	3.99	15.49	0.79	5.14E-04	3.87E-04	1.01E-03	2.09E-04	8.12E-04
12:45	9.80	7.10	19.24	3.60	15.29	0.78	5.14E-04	3.72E-04	1.01E-03	1.89E-04	8.01E-04
13:00	9.79	6.58	19.08	2.95	14.89	0.75	5.13E-04	3.45E-04	1.00E-03	1.55E-04	7.80E-04
13:15	9.78	6.10	18.92	2.42	14.50	0.73	5.13E-04	3.20E-04	9.92E-04	1.27E-04	7.60E-04
13:30	9.78	5.65	18.76	1.99	14.13	0.71	5.12E-04	2.96E-04	9.83E-04	1.04E-04	7.40E-04
13:45	9.77	5.24	18.61	1.63	13.76	0.69	5.12E-04	2.75E-04	9.75E-04	8.54E-05	7.21E-04
14:00	9.76	4.86	18.45	1.34	13.40	0.67	5.11E-04	2.54E-04	9.67E-04	7.01E-05	7.02E-04
14:15	9.75	4.50	18.30	1.10	13.05	0.66	5.11E-04	2.36E-04	9.59E-04	5.75E-05	6.84E-04
14:30	9.74	4.17	18.15	0.90	12.72	0.64	5.10E-04	2.19E-04	9.51E-04	4.72E-05	6.66E-04
14:45	9.73	3.87	18.00	0.74	12.39	0.63	5.10E-04	2.03E-04	9.43E-04	3.87E-05	6.49E-04
15:00	9.72	3.58	17.85	0.61	12.06	0.62	5.10E-04	1.88E-04	9.35E-04	3.17E-05	6.32E-04
16:00	9.69	2.64	17.26	0.27	10.86	0.57	5.08E-04	1.39E-04	9.05E-04	1.44E-05	5.69E-04

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE ____ of ____
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)

VALID FOR TIMES OF:
REAL TIME ☐ AM ☐ PM TO ☐ AM ☐ PM
DRILL TIME HOURS TO HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

INTENTIONALLY BLANK

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9	ALL

VALID FOR TIMES OF:
REAL TIME 0700 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM
DRILL TIME 0000 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO
SITUATIONAL EVENT DATA INDEX

DATA SHEET	ITEM
9a	Friends of Bivalves Anti-Nuclear Protest Group
9b	Friends of Bivalves Fence Climbing Activities
9c	Fire in the TSC - Controller Activities
9d	Emergency Center Operational Status during 30 Minute Recess
9e	Fire Brigade Response - TSC Fire
9f	Hanford Fire Dept callout - Control Cell response
9g	Electrical Damage from Fire in TSC - Repairs by OSC
9h	Fire Control Panel Activation
9i	Reentry Team MSIV Repairs
9x	Sequence of Events for Rod Drop Accident
9z	The Unlikelihood of a Control Rod Drop Accident

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CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9a	OSC

VALID FOR TIMES OF:

REAL TIME 0800 ☐ AM ☐ PM TO 1030 ☐ AM ☐ PM

DRILL TIME 0100 HOURS TO 0330 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

FRIENDS OF BIVALVES
ANTI-NUCLEAR PROTEST GROUP

NOTE: A controller from the OSC will be assigned to monitor and direct, as needed, the following "Role-Play".

As referred to in the scenario script, an anti-nuclear activist group will be staged in the open area of the upper parking lot just to the north of the Visitors' Center, immediately to the east of the two-five gate. There will be approximately 10 individuals involved in the protest.
The demonstrators will, in actuality, be Supply System personnel 'role-playing' as activitists. They will be dressed in international orange plastic 'safety vests' labelled with:

"EXERCISE '90"
ROLE PLAYER
"F O B"

The demonstrators will be carrying placards, signs or posters with various anti-nuclear sayings. They will be chanting miscellaneous slogans in much the same vein as is on the posters.

NOTE: Availability permitting, we will attempt to set up a portable PA system with 'pre-recorded' chants.

A Supply System flat or dump bed truck will be parked facing gate 2-5. The Supply System insignia on the doors of the truck will be covered with paper. The paper covers will have a crude FRIENDS OF BIVALVES logo written on them. The front of the truck will have a "Ramming Device" attached.

NOTE: In actuality, the truck and ramming device will be one of the Supply System snow plow vehicles.

Should the activists be questioned by Supply System authority, they will state they are legally demonstrating and will show copies of a "Court Order" and a "County Permit" for a public meeting on Supply System property. When the fence-climbing incident occurs, about 100 yards to the north, the demonstrators at gate 2-5 will disclaim any knowledge of it, but will be supportive of the 'brothers' who performed it. The fence-climbing incident will not be grounds for forcing disbandment of the demonstrators. The demonstration will continue until about 1030 hours, or until exercise players go out to evacuate the activists from the radioactive steam release.

NOTE: The plume, due to prevailing winds, will pass from the TG building Exhaust directly over the heads of the activists.

Evacuation actions on the part of both the role-playing demonstrators as well as the Exercise players will be 'free-play'. The demonstrators should freely evacuate, without 'hassle', at this point in time.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	1 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9b	CAS

VALID FOR TIMES OF:					
REAL TIME	0830 ☐AM ☐PM	TO	0930 ☐AM ☐PM	DRILL TIME	0130 HOURS TO 0230 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	FRIENDS OF BIVALVES FENCE CLIMBING ACTIVITIES

NOTE: One or more Controllers from the OSC and from Security will be assigned to monitor and direct, as needed, the following "Role-Play". Security is to be Lead Control. The Field Controller(s) and a Security Controller inside the CAS are to be in direct radio or telephone contact while the following activities are transpiring. It is recommended that Security personnel assume the role of the 3 people used as role players in this activity:

As referred to in the scenario script, an anti-nuclear activist group will be staged in the open area of the upper parking lot just to the north of the Visitors' Center, immediately to the east of the two-five gate. There will be approximately 10 individuals involved in the demonstration.

There will be an additional three individuals involved in gaining access to the Plant Protected Area by simulating climbing the security fence immediately to the north of the main guardhouse. These individuals will be dressed in the same manner as the 10 demonstrators in international orange plastic safety vests labelled with:

"EXERCISE '90"
ROLE PLAYER
"FOB"

At 0827 hours the three individuals will approach the upper, eastside parking lot from the Power Plant Loop Road. They will be driving a pickup truck with an 8-10 foot ladder in the back. The pickup truck will be marked with "FRIENDS OF BIVALVES" logos on the doors similar to those described for the other truck on data sheet 9a.

The individuals will, just prior to reaching the Guardhouse, stop their truck near gate two-nine. They will simulate leaning the ladder against the fence; This is to be accomplished by setting up the ladder just outside the fence's personnel exclusion zone immediately to the east of the fence. One of the three will simulate climbing over the fence into the Protected Area. This is to be accomplished by, in reality, prestaging the 'fence-climber' inside the Protected Area. When the simulated fence climbing activity occurs, the CAS Controller will inform the CAS Operators of the indications they are receiving. Should any security personnel or plant workers be in visual observation of the activity, the field controller(s) is/are to inform them of what they are 'seeing'. It is not necessary that any of the witnesses be designated as Exercise players...Free play in this will be allowed. Security Force responders, upon recieving direction from the CAS, will find the intruder marching around on the grass at the north-east corner of the General Service Building. The intruder will be carrying a sign with and anti-nuclear slogan.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	2 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9b	CAS

VALID FOR TIMES OF:					
REAL TIME 0830	☐ AM ☐ PM	TO 0930	☐ AM ☐ PM	DRILL TIME 0130 HOURS	TO 0230 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	FRIENDS OF BIVALVES FENCE CLIMBING ACTIVITIES (CONT'D)

The Security Force will not observe any signs of damage to plant property. The role player, if interrogated by Security, is to freely state that he is a member of the "FRIENDS OF BIVALVES" and his intent in entering the Protected Area was to "Cause as much damage, both physical and political, as was possible", but nothing else. The role player should ad-lib his responses to the interrogation.

It is expected that this fence climbing activity will cause the PED to make an EAL decision of ALERT. Once the ALERT declaration is made and it appears that no more meaningful play is transpiring between the intruder and Security, the Lead Controller may terminate this activity and dismiss the three "FOB" role players.

There is no intent to involve Local Law Enforcement Agencies in this activity and the Benton County Sheriff will not respond. If any attempt is made to contact LLEA thru the CAS or the CR (Simulator), the respective controllers are to ensure that the calling personnel dial the 'Control Cell' phone number. Control Cell controllers may state that, "All available units are tied up with traffic control due to a fire at Columbia Center. An officer will respond in approximately 1 hour."

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9c	TSC

VALID FOR TIMES OF:					
REAL TIME 0910	☐ AM ☐ PM TO 0930	☐ AM ☐ PM	DRILL TIME 0210 HOURS	TO 0230	HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	FIRE IN THE TSC - CONTROLLER ACTIVITIES

CONTROLLERS NOTE: All controllers in the Technical Support Center are to perform the below listed activities as indicated. These activities are to simulate an electrical fire in TSC lighting panels. The intent of this fire is to disrupt the operation of the TSC by degrading Plant monitoring and communication capabilities. This should, ultimately, result in the TSC Director deciding to relocate the TSC in accordance with the appropriate sections of PPM 13.10.3, TSC Operations & Director Duties.

PERFORM THE FOLLOWING:

BEFORE THE EXERCISE STARTS -

1) Survey the TSC for 110 VAC appliances and machinery which would be used in the Exercise. Also locate TSC light switches.
2) Prepare signs for all identified items stating "This Unit No Longer Functions".

AT 0910 HOURS -

1) Turn off enough, but not all, TSC lights to make it dim. Announce to all TSC personnel that: " All rooms in the TSC are rapidly filling with dilute smoke. A smell of burning electrical insulation is permeating the atmosphere. It is very dim; All lighting in the TSC has failed with the exception of emergency, battery powered lighting..(NOTE: Gain the attention of the TSC player personnel, then all controllers are to repeat this several times in order to ensure that all TSC players hear and comprehend the symptoms they should be experiencing.)
2) Turn off the two way base control unit radio and place a sign on it stating "This Unit No Longer Functions".
3) Tape signs across the front of the CRT's for all computer monitors in the TSC stating "This Unit No Longer Functions".
4) Locate all telephones in the TSC which have an external speaker. Consider unplugging the 110 VAC supply to these phones. Tape "This Unit No Longer Functions" signs across the front of these phones.
5) Locate the FAX machine. Tape a sign across the front.
6) Turn off the Copy Machines and blueprint machines. Tape signs across the fronts or tops, as appropriate.
7) Perform similar actions for any other appropriate appliances or 110VAC machinery which may have been located in the earlier survey.

CONTINGENT ACTIONS -

Should TSC personnel attempt to locate the fire, allow them to do so. Identify the smoking electrical panels to them, but state that they see no flames (The fire will not be active). Do not tell them what panels are burned...give them symptoms of what they would see, smell, feel so they may arrive at a decision regarding damage and consequences.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9d	All Centers

VALID FOR TIMES OF: ☐ AM ☐ PM TO ☐ AM ☐ PM

REAL TIME 0920 TO 0950 DRILL TIME 0220 HOURS TO 0250 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

EMERGENCY CENTER OPERATIONAL STATUS DURING 30 MINUTE RECESS

ALL CONTROLLERS NOTE: It is permissible to share the entire contents of this data sheet with the players after a decision has been made by the TSC Director to evacuate/relocate the Technical Support Center.

As was discussed in some length in the Scenario script, a 30 minute recess from the Exercise will be held at **approximately** 0920 hours. The word 'approximately' is stressed, because the actual timing of the recess will be a judgement call based upon Exercise conditions and the decision by the TSC Director to evacuate/relocate the Technical Support Center after the fire has occurred. The decision for commencement of the recess is to be arrived at by joint consultation of the Lead Center Controllers on the Controller Net phone line. Once the decision is reached, each Lead Center Controller is to deliver messages as follow to his/her Center:

ALL CENTERS: "A decision has been made by the TSC Director to relocate the Technical Support Center. A portion of the TSC staff are being relocated to the Simulator at the PSF which, during this Exercise, is simulating the emergency role of the Control Room. In order to allow TSC personnel time to reach the Simulator, a **30 minute recess** from the Exercise will be allowed. This recess will extend from (time) until (time)".

TSC: "All players in the TSC are to relocate as directed by the TSC Director. Those players who are directed to relocate to the Control Room are to go to the Simulator at the Plant Support Facility. A vehicle has been provided by the Exercise Controller organization and is outside the Main Guardhouse available to transport you to the PSF.
Those players who are directed to report to centers other than the Control Room are to do so. If you are directed to report to any off-site center, for example at the EOF, it is the TSC Director's responsibility to ensure transportation; transportation will not be provided by the Controller organization."

JIC: "Due to this emergency center's multi-agency makeup and its heavy interface with offsite agencies, the public and the media, no recess will be allowed. Should you need to find out data in order to fulfill your emergency role, contact the appropriate Supply System emergency center. Personnel will be available to answer you."

ALL CENTERS EXCEPT JIC: "This recess is in effect only for Supply System emergency centers; County, State and Federal centers and agencies will be 'blind' to this recess. Consequently, while the 30 minute recess is in effect, one controller and one player must stay on duty to perform 'control cell' communications functions if, for example, the JIC or outside agencies make inquiries. All other players may 'take a break' until the Exercise reconvenes.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9e	OSC & TSC

VALID FOR TIMES OF:					
REAL TIME 0910	☐ AM ☐ PM	TO 0940	☐ AM ☐ PM	DRILL TIME 0210 HOURS	TO 0240 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	PLANT FIRE BRIGADE - DAMAGE FINDINGS IN TSC FIRE

CONTROLLER NOTE: This information is provided as guidance to the PET Controller/Evaluator regarding symptoms he should give to the Fire Brigade upon their response to the electrical fire in the TSC. The Controller/Evaluator is enjoined to present this data to the Fire Brigade in such a manner as to give them symptoms only, not results. This will allow them to come to their own conclusions regarding the impact of damage found.

The electrical fire will occur in the TSC at 0910 hours. At this time the SSS and EO's who will comprise the Fire Brigade should be in the Operations Support Center in a 'standby status' due to the ongoing ECL of ALERT from the security incident which has earlier occurred. It is expected that the Fire Brigade will be alerted by the Plant Fire Alarm and a call from the Control Room (Simulator) within two minutes (0912 hours) of the fire's occurance.
The Fire Brigade should arrive at the TSC by, no later than, 0920 hours. Upon their arrival, the PET Controller/Evaluator is to provide them with the following symptoms:

1) A strong odor of burnt electrical insulation permeates the TSC. As they enter the mechanical equipment room, the odor becomes inordinately strong. The HVAC is non-functional (loss of MC-7AB).
2) The TSC is dim...Only battery-backed emergency lighting is functioning.
3) No 110 VAC powered equipment/appliances within the TSC are functioning (refer to Data Sheet 9c for details).
4) The doors/cover plates have charred paint and show signs of overheating on MC-7AB.
5) Inspection of the above MC will reveal no active fire.
6) Inspection of the above MC will reveal severe melting of the internal wiring, circuitry, busses and O/L devices. The charred wires, in many cases, extend into the conduits (thus requiring replacement of much wire, vice merely reterminating it).
7) Should they inspect transformer TR-TSC-2, they will find it cold and non-functional. No outwardly apparent cause for its failure will be shown.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9f	Control Cell, TSC & CR (Sim)

VALID FOR TIMES OF:					
REAL TIME 0910	☐ AM ☐ PM	TO 0920	☐ AM ☐ PM	DRILL TIME 0210 HOURS	TO 0220 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

HANFORD FIRE DEPARTMENT CALLOUT - CONTROL CELL RESPONSE

CONTROLLER NOTE: The following is a brief discussion of the anticipated response by player personnel, primarily CR [Sim] personnel, to a fire in the TSC as regards notification of the Hanford Fire Department (HFD). This discussion is provided to aid personnel in the Control Cell in their response if called by the CR [Sim]. After the discussion, a desired response is given. The response may be 'tailored' by the Control Cell, within reason, depending on how the CR [Sim] couches the notification.

The Hanford Fire Department is notified in two ways when there is a fire within WNP-2:

1) Below panel FCP-1, in the CR, a HFD **"ALERT BUTTON"** is located. Manual initiation of this button sends a WNP-2 fire alarm to the fire station at the 300 area (See a subsequent data sheet for panel outlines and details). The alarm is sent via coded microwave transmission. In the case of the simulator, this button is not connected to anything. Control Room [Sim] personnel will initiate an alarm in the Exercise when so directed by either the Shift Manager or the Control Room Supervisor.

2) In addition to the alarm button described above, the Control Room Supervisor has the capability to directly call HFD from his telephone control console. When the fire in the TSC is confirmed, the CRS would be expected to make a call. It is to this telephone call that the Control Cell must respond.

CONTROL CELL RESPONSE:

Upon receiving a call from the CR (Sim) notifying the HFD (Control Cell) of a fire in the TSC, the Control Cell is to respond that, "An engine unit is being dispatched immediately with an expected ETA of 13 minutes."

FIFTEEN MINUTES AFTER THE ABOVE CALL, the Control Cell is to call back to the CR (Sim) stating that, "The Engine unit originally dispatched to WNP-2 has had engine failure. The next nearest unit is at the 500 Area vehicle repair facility for preventive maintenance. It will be at least 40 minutes until this unit can be manned, dispatched and arrive at WNP-2." The Control Cell will go on to ask, "Is it any longer necessary to dispatch a unit in light of this delay?"

As stated in the Scenario script, HFD will not play in the Exercise. No further action will be taken to simulate fire department activities after the above messages have been completed.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	1 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9g	OSC

VALID FOR TIMES OF:					
REAL TIME 0930	☐ AM ☐ PM	TO 1200	☐ AM ☐ PM	DRILL TIME 0230 HOURS	TO 0500 HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	ELECTRICAL DAMAGE FROM FIRE IN TSC - REPAIRS BY OSC

CONTROLLER NOTE: It is expected that, prior to the declaration of General Emergency from the control rod drop accident, that the OSC will be directed to form up a Reentry Team to evaluate and to repair the damage to MC-7AB and to TR-TSC-2. After the General Emergency Declaration, this activity will take low, or perhaps no, priority and may be cancelled.

BEFORE THE EXERCISE:

Details on the Loads for MC-7AB are available on drawing E-970. The Controller assigned to monitor OSC activities on this task should familiarize him(her)self with these loads and with the physical layout and internal details of the MC some time prior to the Exercise.

DURING THE EXERCISE:

The TSC staff, after relocation, will begin to consider repairs to the electrical damage. They will contact the OSC and direct that a Reentry Team be formed to evaluate and repair damage. It is expected they will initially contact the OSC for this at approximately 0930 hours.

The Reentry Team will form up and go to the TSC in accordance with PPM 13.10.9 and PPM 13.10.12. Upon their entry into the TSC, the Reentry Team Controller is to provide them with the following symptoms:

1) A strong odor of burnt electrical insulation permeates the TSC. As they enter the mechanical equipment room, the odor becomes inordinately strong. The HVAC is non-functional (loss of MC-7AB).
2) The TSC is dim...Only battery-backed emergency lighting is functioning.
3) No 110 VAC powered equipment/appliances within the TSC are functioning (refer to Data Sheet 9c for details).
4) The doors/cover plates have charred paint and show signs of overheating on MC-7AB.
5) Inspection of the above MC will reveal no active fire.
6) Inspection of the above MC will reveal severe melting of the internal wiring, circuitry, busses and O/L devices. The charred wires, in many cases, extend into the conduits (thus requiring replacement of much wire, vice merely reterminating it).
7) Should they inspect transformer TR-TSC-2, they will find it cold and non-functional. No outwardly apparent cause for its failure will be shown.

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SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE '90		2 of 2
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)	
9g	OSC	

VALID FOR TIMES OF: ☐ AM ☐ PM REAL TIME 0930 TO ☐ AM ☐ PM 1200

DRILL TIME 0230 HOURS TO 0500 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

ELECTRICAL DAMAGE FROM FIRE IN TSC - REPAIRS BY OSC

NOTE: The Reentry Team Controller will be expected to be sufficiently familiar with the MC to provide further symptoms in response to queries from the Reentry Team as they 'examine' the interior of the MC. The Controller is cautioned to provide symptoms only, NOT conclusions.

The Team would be expected to report these findings back to the OSC. The OSC will prepare a repair plan and will go about locating parts and tools to effect the repairs.

The Reentry Team Controller, as well as Controllers monitoring repair preparation effort activities in the OSC should indicate to player personnel that they will be expected to perform all activities necessary to 'effect the repairs' short of actually placing tools or hands on the equipment to be repaired.

SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
EXERCISE '90		1 of 2
SHEET NO. 9h	RESPONSIBLE CONTROLLER (LOCATION) CR (Simulator)	
VALID FOR TIMES OF: REAL TIME 1010 ☐AM ☐PM TO 1600 ☐AM ☐PM	DRILL TIME 0310 HOURS TO 0900 HOURS	
ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO SITUATIONAL DATA FIRE CONTROL PANEL ACTIVATION	

On the subsequent page of this Data Sheet are reproductions of Fire Control Panels FCP-1, FCP-2 and FCP-3 with appropriate TG Bldg fire alarms annotated.. In each case, the annotated alarms come in as the Turbine Bldg is heated by the steam escaping from the "A" MSL rupture. For the sake of simplicity, the alarms are to activate in three separate groups or sequences, labelled "A", "B" & "C". Sequence "A" & "C" are to be activated by Simulator 'Triggers' at 1010 hours...Sequence "B" may activate a few minutes later (say 1012 hours) on a third Simulator 'Trigger'. The sequence "A" & "B" alarms are to stay activated until the Players manage to close the MSIV or until about 1600 hours (When MSIV is closed by DEFAULT).

SIMULATOR CONTROLLER NOTE: The "Fire Pump Running" alarms are to be set up on a separately controlled 'Trigger' (Sequence "C") from the other fire alarms. The Fire Pump Running alarm is not to be reset (Trigger Cancelled) until the Crew takes action to dispatch an EO to the pumps to shut them down.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	2 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9h	CR (Simulator)

VALID FOR TIMES OF:
REAL TIME 1010 ☐ AM ☐ PM TO 1600 ☐ AM ☐ PM
DRILL TIME 0310 HOURS TO 0900 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

SITUATIONAL DATA
FIRE CONTROL PANEL ACTIVATION

	1		2		3		4		5		6	
1	TG Bldg El 441-0 Col. A-N & 4-7 0-N & 7-8		TG Bldg El 441-0 Col. A-N & 8-13, A-0 & 7-8 El 460 Tunnel		TG Bldg El 441-0 Col. A-N & 13-17		TG Bldg El 441-0 E W Corridor Col. N-11.3 and 4-17		TG Bldg El 471-0 Col. A-C & 4-6		TG Bldg El 441-0 Col. A-C & 4-13 E-N & 4-7	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
2	TG Bldg El 471-0 Col. A-N & 13-17		TG Bldg El 471-0 E-W Corridor Col. N-11.3 and 4-17		TG Bldg El 501-0 Col. A-0 & 4-6 0-N & 4-7		TG Bldg El 501-0 Col. A-C & 6-13 0-N & 7-8		TG Bldg El 501-0 Col. A-N & 13-17		Transformer Yard North Side of TG Bldg	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
3	Reactor Bldg El 422-3 & 441-0 Pump Rooms		Reactor Bldg El 471-0 General Area		Reactor Bldg El 501-0 General Area		Reactor Bldg El 522-0 General Area MCC Rooms		Reactor Bldg El 548-0 General Area Analyzer Rm		Reactor Bldg El 572-0 Gas Treatment Area Mech Equip & MCC Rms	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
4	Reactor Bldg El 606-10.5		Radwaste Bldg El 437-0 Tank Area El 452-0 Off Gas Equipment Rm		Radwaste Bldg El 467-0 Vlv Rm Control Rm & General West Area		Radwaste Bldg El 467-0 Switchgear Area #1		Radwaste Bldg El 467-0 Switchgear Area #2		Radwaste Bldg El 487-0 Rad. Chem & Sample Rm Mech Equipment Area	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
5	Radwaste Bldg El 484-0 Cable Spreading Room		Radwaste Bldg El 501-0 Control Room		Radwaste Bldg El 507-0 Mech Equip Rm		Radwaste Bldg El 585 Communications Room & Area El 531-0		Technical Support Center		Smoke Alarm Control Room Intake Vent Sys	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE

FCP-2

ROW	1		2		3		4		5		6	
1	Main Plant Man Pull Sta		Deluge Spray Sys S1 TG Bldg El 441-0 Lube Oil Stor Rm		Deluge Spray Sys S2 TG Bldg El 441-0 Trace Oil Piping		Wet Pipe Sys 1 TG Bldg El 441-0 Boiler Room		Deluge Spray Sys S3A TG Bldg El 441-0 Reactor Feed Pump Rm A		Deluge Spray Sys S3B TG Bldg El 441-0 Reactor Feed Pump Rm B	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
2	Wet Pipe Sys 2 TG Bldg El 441-0 Mech Vacuum Pump Rm		Wet Pipe Sys 2A TG Bldg El 441-0 Stm Jet Air Ejector Rm A		Wet Pipe Sys 2B TG Bldg El 441-0 Stm Jet Air Ejector Rm B		Wet Pipe Sys 4 TG Bldg El 441-0 North Side of Condenser		Wet Pipe Sys 5 TG Bldg El 441-0 South Side of Condenser		Deluge Spray Sys S4 TG Bldg El 441-0 H2 Seal Oil Rm	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
3	Wet Pipe Sys 6 TG Bldg El 441-0 West End		Deluge Spray Sys S5 TG Bldg El 471-0 Turb Oil Reservoir Rm		Wet Pipe Sys 9 TG Bldg El 471-0 Corridor Col. 14-6 & A-C		Deluge Spray Sys S6 TG Bldg El 471-0 Col. A-C & 6-13		Wet Pipe Sys 7 TG Bldg El 471-0 West End		Wet Pipe Sys 8 TG Bldg El 471-0 Heater	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
4	Precaution Sys 67 TG Bldg El 501-0 Turbine Op Board		TG Bldg El 501-0 CO_2 System 1 Exciter Housing		TG Bldg El 501-0 CO_2 System 2 Hose Reel		Deluge Spray Sys 49 Tech Support Catr Filter Unit				Deluge Spray Sys S7 Main XFMR TR-M1	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE
5	Deluge Spray Sys S8 Main XFMR TR-M2		Deluge Spray Sys S9 Main XFMER TR-M3		Deluge Spray Sys 60 Backup XFMR TR-B		Deluge Spray Sys 61 Normal Aux Pwr XFMR TR-N1		Deluge Spray Sys 62 Normal Aux Pwr XFMR TR-N2		Deluge Spray Sys 63 Main XFMR TR-M4	
	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE	TROUBLE	FIRE

FCP-3

ROW	1	2	3	4	5	6
9	FP-P1 Diesel Running	FP-P1 Non Auto Control	P-P-2A Pump Running	FP-P-2A Lo Line Press/ Pump Fail	FP-P-2B Pump Running	FP-P-2B Lo Line Press/ Pump Fail
	FP-P1 Controller/ Engine Fail	Low Fire Main Pressure	FP-P-2A Power Failure		FP-P-2B Power Failure	General Alarm Inhibited
10	FP-P-101 Diesel Running	FP-P-101 Non Auto Control	FP-P-102 Pump Running	FP-P-102 Lo Line Press/ Pump Fail	FP-P-110 Diesel Running	FP-P-110 Non Auto Control
	FP-P-101 Controller Engine Fail		FP-P-102 Power Failure	FP Water Tank Low Level	FP-P-110 Controller Engine Fail	
11	FSP-1 TG Bldg El 441 Trouble	FSP-3 TG Bldg El 441 Trouble	FSP-5 TG Bldg El 441 Trouble	FSP-7 Radwaste Bldg El 487 Trouble	FSP-9 DG Bldg El 455 Trouble	FSP-10 DG Bldg El 455 Trouble
	FSP-2 TG Bldg El 441 Trouble	FSP-4 TG Bldg El 441 Trouble	FSP-6 TG Bldg El 441 Trouble	FSP-8 DG Bldg El 455 Trouble		FSP-11 MSPX No 2 Trouble
12	HCP_2 Primary Guard House Trouble	CO_2 Sys Hi/Lo Press or Yap Trouble	FP-V-16A Not Open		UV Detector Controller Trouble	Standby Alarm Fire Control Sys Trouble
			FP-V-16B Not Open			Functional Alarm Fire Control Sys Trouble

SUPPLY SYSTEM
CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.		PAGE
Exercise '90		___ of ___
SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)	
9i	OSC w/Reentry Team	

VALID FOR TIMES OF:							
REAL TIME	1030	☐ AM ☐ PM TO	1600	☐ AM ☐ PM	DRILL TIME	0330 HOURS TO	0900 HOURS
ASSOCIATED WITH MESSAGES					INFORMATION APPLIES TO		
					REENTRY TEAM REPAIRS TO MS-V-28A ("A" O/B MSIV)		

Upon determination of the failure to isolate on the part of the Main Steam Isolation Valves on the "A" Main Steam Line, the players might be expected to take the following actions:

- o Manually close the valves from the RMS's on P-602
- o Isolate and bleed off the air supply to the outboard MSIV, MS-V-28A.
- o Isolate and bleed off the nitrogen supply to the inboard MSIV, MS-V-22A.
- o Deenergize the electrical supply to the solenoid valves associated with the air/nitrogen supplies to each MSIV.
- o Make a Main Steam Tunnel entry to attempt to determine the reason why, at least, the Outboard valve will not close...The Controller should not dissuade the Players from attempting this. Area radiation readings will be provided the players as per the Data Sheets in Tab 4 of the Exercise Package.

The TSC/OSC staffs would additionally be expected to come up with some sort of tooling to attempt to 'Jack-Closed' the stuck-open MSIV in the MS tunnel. This is, typically, Power-Pak type hydraulic jacks and a structural steel strongbacking arrangement to the power-paks an anchor against the MSIV.

CONTROLLER NOTE: The Controller assigned to monitor these Reentry Team Activities is to maintain close contact with the Lead Simulator Controller as 1600 hours approaches for the following reasons:

1) If the Reentry Team is successful in closing the MSIV, then the Simulator must drop radiation readings and also change status lights for the MSIV.

2) At 1600 Hours, if the Reentry Team is unsuccessful, the Simulator will DEFAULT the MSIV's to the closed position...i.e - "the MSIV's will drift closed by themselves".

As earlier stated in the main scenario script, the only one of the above actions to be successful is the dispatch of a Reentry Team with some sort of tooling to force closed the MSIV.. Both the Inboard and Outboard MSIV's will be found to be mechanically hung up due to improper reassembly during R-4 outage. The Reentry Team Controller is to allow 'free-play', within reason, by the Players as they set out to accomplish this task. The Controller is not to allow 'real-world entry' into the Steam Tunnel, but is to allow the players to go about setting up to accomplish all but the entry actions/post-entry actions...e.g.-The Controller should expect the OSC staff and Reentry Team to physically locate and move the necessary tools and logistical support items to the Main Steam Tunnel entryway in the Rx Bldg.

SUPPLY SYSTEM

CONTROLLER INFORMATION

GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	____ of ____

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9x	CR (Sim)

VALID FOR TIMES OF:							
REAL TIME	0900	☐ AM ☐ PM	TO	1000	☐ AM ☐ PM	DRILL TIME	0200 HOURS TO 0300 HOURS

ASSOCIATED WITH MESSAGES

INFORMATION APPLIES TO

SEQUENCE OF EVENTS FOR
ROD DROP ACCIDENT

o Reactor is operating at 50% rod density pattern.

o RWM is out of service.

o RSCS fails.

o Two maximum worth control rod blades become decoupled from their CRD's.

o Operator selects and withdraws the control rod drive of the first decoupled rod along with the other control rods assigned to the RSCS group.

o First decoupled control rod sticks in the fully inserted position.

o Operator selects and withdraws the control rod drive of the second decoupled rod along with the other control rods assigned to the RSCS group.

o Second decoupled control rod sticks in the fully inserted position.

Approximate Elapsed Time	Event
0	First control rod becomes unstuck and drops to the drive position at a rate of 3.11 ft/sec.
LT 1 second	Reactor goes on a positive period. The resultant thermal and physical surge knocks loose second rod and it drops as well. Initial power increase is terminated by the Doppler coefficient.
LT 1 second	APRM 120% power signal scrams reactor.
LT 5 seconds	Scram terminates accident.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	1 of 2

SHIFT NO.	RESPONSIBLE CONTROLLER (LOCATION)
9z	ALL CENTERS

VALID FOR TIMES OF:					
REAL TIME N/A	☐ AM ☐ PM	TO N/A	☐ AM ☐ PM	DRILL TIME N/A HOURS	TO N/A HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	THE UNLIKELIHOOD OF A CONTROL ROD DROP ACCIDENT

The design of the drive and its coupling uses high quality materials and it receives stringent quality control and testing procedures appropriate to other equipment typically listed in the WNP-2 Quality Class I, safety related list. Tests conducted by General Electric under both simulated reactor conditions and conditions more extreme than those encountered in actual service have shown that the drive (or coupling) will retain its integrity even after thousands of scram cycles. Tests also show that the drive and coupling do not fail when subjected to forces 20 times greater than that which can be achieved in a reactor.

The Rod Sequence Control System (RSCS) limits the worth of any control rod which could be dropped by regulating the withdrawal sequence. This system prevents the movement of an out-of-sequence rod in the 100-75% rod density range, and from the 75% rod density point to the present power level the RSCS will allow only banked position mode rod withdrawals or insertions.

The Rod Worth Minimizer (RWM) system will provide the same protection as the RSCS if the RSCS were not functioning and the RWM was.

The Termination of this excursion is accomplished by automatic safety features of inherent shutdown mechnisms. Therefore, no operator action during the excursion is required. Although normal plant instrumentation and controls are assumed to function, no credit for their operation is taken in the analysis of this event.

Sticking of the control blade in its fully inserted position is highly unlikely because each blade is equipped with rollers that make contact with the nearly flat fuel channel walls, travelling in a gap of approximately 1/2 inch clearance. Since a control blade weighs approximately 186 pounds, even if it separates from its drive, gravity forces would tend to make the blade follow its drive movement as if it were connected. Control blade friction can be detected by settling differential pressures less than 30 psid and insertion differential pressures greater than 15 psid.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION
GENERAL DATA SHEET

DRILL NO.	PAGE
EXERCISE '90	2 of 2

SHEET NO.	RESPONSIBLE CONTROLLER (LOCATION)
9z	ALL CENTERS

VALID FOR TIMES OF:					
REAL TIME N/A	☐ AM ☐ PM	TO N/A	☐ AM ☐ PM	DRILL TIME N/A HOURS	TO N/A HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
	THE UNLIKELIHOOD OF A CONTROL ROD DROP ACCIDENT

The control rod drive/control blade separation does not, of itself, produce any unplanned or uncontrolled perturbation on normal plant operation that requires immediate operator action. This is is not of immediate reactor safety consequence as is the Loss Of Coolant Accident (LOCA). In most cases, if such a separation occurred, it is expected that the blade would not stick, but rather follow its drive movement. The separation would be detected by no neutron monitoring response during rod movement or at the next fully withdrawn stroke where the ability to withdraw to the overtravel position would signal separation since the blade bottoms on a seat and prevents withdrawal to the overtravel position if connected. Thus, this drive could be inserted and declared inoperative in accordance with the technical specifications until the next refueling outage where it could be repaired. However, for this analysis, it is presumed that the separated blade somehow sticks at the fully inserted position. This assumption sets up a condition whereby, if the drive were withdrawn, the stuck blade could later fall to its drive position and cause a rod drop reactivity insertion accident.

The consequences of a rod drop are mitigated by controlling the intial conditions. This is analogous to controlling Average Planar Linear Heat Generation Rate (APLHGR, pronounced 'Apple-Hugger') to mitigate the consequences of a LOCA.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION GENERAL DATA SHEET

DRILL NO.	PAGE
Exercise 90	____ of ____

T NO.	RESPONSIBLE CONTROLLER (LOCATION)
10	Control Cell

VALID FOR TIMES OF:					
REAL TIME 0800	☐ AM ☐ PM	TO 1200	☐ AM ☐ PM	DRILL TIME HOURS	TO HOURS

ASSOCIATED WITH MESSAGES	INFORMATION APPLIES TO
See Control Cell Addendum	Control Cell Telephonic Queries

A.

Data Sheet	Utilization Time/Purpose
10 a - i	0800 - 0830
10 j - y	0830 - 0900
10 z - ap	0900 - 0930
10 ag - bh	0930 - 1000
10 bi - bx	1000 - 1030 (State, Fa)
10 by - c	1030 - 1100 (Counties/ck, du, dw, dx, ec, ed, eg, eh, ei) (State - ga thru gk)
10 co - dd	1100 - 1130 (County - ct, cw, cx, cy, cz, da-c, dv, dy, dz) (State - ha thru hr)
10 de - dt	1130 - 1200 (County - de-f, dm-t, ea-b, ee-f, ej) (State - ia thru iz)

B. Rumors

Number	Time Frane		Data Sheets
1	0830 - 0900	Armed terrorists have attacked Plant 2	10r, s, t
2	0930 - 1000	Protestors are coming to Plant 2 from all across the United States	10aq, ar, as
3	1030 - 1100	Terrorists have caused a radiation release at Plant 2	10cq, ch, ci
4	1100 - 1130	Plant 2 is being abandoned because of danger of a meltdown	10co, cp, cq
5	1130 - 1200	Run on banks and grocery stores	10iw

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER INFORMATION

CRITICAL POINTS

DRILL NO. Exercise 90 (Section IIG)

PAGE ____ of ____

ITEM	TIME		RESPONSIBLE PERSON
	REAL	DRILL	
1) Briefing of Simulator crew and SSS/EO prior to exercise start, covering shift turnover sheets.	0700	0000	Simulator Scenario Controller
2) Demonstration gains access to Protected Area.	0827	0127	OSC Lead Controller
3) Default message to declare Alert.	0855	0155	TSC Lead Controller
4) Electrical fire in TSC. Terminal displays, fax, two way radios, and normal lighting simulated lost.	0910	0210	TSC Lead Controller
5) Default message to relocate TSC if not already done by free play.	0940	0240	TSC Lead Controller
6) Control rod drops occur causing fuel damage and scram.	0955	0255	Simulator Scenario Controller
7) MSIVs on Main Steam Line "A" fail to isolate.	0958	0258	Simulator Scenario Controller
8) Main Steam Line rupture in TGB.	1010	0310	Simulator Scenario Controller
9) Default message of thyroid dose projected greater than 5 REM at 1.2 miles, General Emergency is to be declared.	1045	0345	TSC Lead Controller
10) MSIVs on "A" loop defaulted closed (if not already successfully closed by TSC/OSC free play).	1400	0700	Simulator Scenario Controller

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SECTION IIH
MAPS AND EQUIPMENT
EXERCISE 90

(See Data Sheets)

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PART III

EVALUATOR/CONTROLLER INSTRUCTIONS

EXERCISE 90

CONTENTS

CONTROLLED DISTRIBUTION

CONTROLLED DISTRIBUTION

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

DRILL DIRECTOR

PREDRILL CHECKLIST

DRILL NO.	PAGE
Exercise 90 (Section IIIA)	____ of ____

DRILL DIRECTOR	ALTERNATE DRILL DIRECTOR
Ron Chitwood	Bob Mogle

ACTION	INITIALS
o Meeting schedules distributed.	_____
o Meeting rooms scheduled.	_____
o Controller/evaluator assignments completed.	_____
o Controller/evaluator training completed.	_____
o Scenarios issued/logged.	_____
o Controller/evaluator briefings completed.	_____
o Lead controller packages issued.	_____
o Player briefings completed.	_____
o Prepositioned role players identified and briefed.	_____
o Props acquisitioned and in place.	_____
o Commissary arrangements (meals/donuts/coffee) completed.	_____
o Communication checks of simulator equipment completed.	_____
o Simulator (CR) logbook, FNFs, NRC event notification forms in place in simulator.	_____
o Fax machine in place at Simulator.	_____
o Key switch communication permissive from control room to simulator completed.	_____
o Special player "Pager Duty Roster" to EOFCC.	_____
o Controller assembly role call and controller network phone number verifications.	_____
o Synchronization of clocks and watches.	_____
o Management permission obtained to begin.	_____
o Predrill checklist completed.	_____

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SECTION III B
GENERAL EVALUATOR/CONTROLLER INSTRUCTIONS
EXERCISE 90

A. Predrill/Exercise Preparation: Under the supervision of the drill/exercise director, the following will normally be accomplished prior to the drill/exercise:

1. Completion of the scenario package.

2. Arrangements for required facilities, including for the larger drills and the exercises, use of the simulator.

3. Validation run of the scenario on the simulator, and the loading of scenario data on the graphics display system emulator.

4. Scheduling of pre- and post-drill/exercise meetings with evaluators/controllers and players, and evaluator/controller training for those not certified.

5. Procurement of props, realistic staging of casualty areas and briefings of any role players. However, neither actual plant operations, security or personnel safety are to be jeopardized.

6. Administrative and logistical arrangements, e.g., pager carrier duty roster revisions, controller and simulator communications set up, coffee and doughnuts contract, etc.

B. Predrill/Exercise Meetings for Evaluators and Controllers: There will normally be a series of three meetings:

1. A drill/exercise package issue and overview meeting will be conducted for all evaluators/controllers; such things as objectives, limitations, schedules, evaluator/controller assignments, scenario introduction, the organization of scenario forms, messages, anticipated responses, general data sheets, critical points, and special evaluator/controller instructions will be covered.

2. Evaluator/controller team breakout sessions will be conducted for all evaluators/controllers covering such things as specific messages, data input, event evaluation assignments, team communications, documentation and other coordination matters.

3. If required, a casualty scene inspection will be conducted for specified evaluators/controllers that will accompany players, such as the PET and OSC reentry teams, that will respond to the scenes of scenario personnel and equipment casualties. Use of props/mock-ups, other portrayal of the casualties, likely routes of travel, anticipated player response actions and portrayal of such situational dependent items as fire and rad data will be covered in detail.

C. Predrill/Exercise Players Briefings:

1. To maximize the training value of the drill/exercise, a predrill/exercise briefing will be conducted for players, generally covering Part I of the drill/exercise package. An excerpt, consisting of Part I, can be issued as a handout. Topics should include: introduction, objectives and limitations, schedule, player positions to be activated, instructions for players, any recent procedural changes and any special coordination matters. Initial Plant Conditions may be disseminated at this time.

2. Informal table top drills may also be conducted prior to a drill/exercise to review center/team operations, procedures, etc. However, specifics on the particular drill/exercise scenario are not to be compromised.

D. Drill/Exercise Evaluation and Control:

1. Scenario Inputs:

Scenario messages and data will be provided to the players by controllers in as realistic a manner as possible. For example, a controller may call the Shift Manager and role-play as the BPA dispatcher with a scenario message; a controller may provide simulated radiation readings to a reentry team HP technician from a scenario package data sheet if commensurate with the type and scale setting of the instrument being used. Controllers do not provide conclusions, they furnish simulated sensory inputs, e.g., if the portrayed emergency condition actually existed, what would be seen, heard, smelt, etc.

2. Scenario Deviations:

a. Controllers seeing a need to modify the scenario should inform their team lead controller, who will contact the drill/exercise director.

b. Only the drill/exercise director has the authority to start, stop or deviate the scenario. Scenario deviations, especially on the larger drills and the exercises are to be infrequent and only implemented after thorough coordination, to include with any lead federal evaluators and lead offsite agency controllers. The director is also responsible for arbitrating any jurisdictional or interagency disagreements which may occur during the drill/exercise.

3. Performance Evaluation:

a. Player task performance must be closely monitored by evaluators, as well as controllers as long as it does not interfere with their controller functions. Action taken should be compared with anticipated responses and procedural guidance. Evaluator logs are to be used to record observations. Center/team documentation should also be checked to purify the chronology of events and for correctness.

b. Interference by evaluators/controllers with player actions should be minimized, with questioning restricted to slack times and the immediate critique session right after the drill/exercise, with the following major exceptions:

- o Safety - Evaluators/controllers will immediately intervene to prevent or mitigate any unsafe condition or act.
- o Major scenario deviation - If the players depart from the anticipated responses to the extent that a successful run of the scenario, and meeting of the drill/exercise objectives, is jeopardized.
- o <u>During drills only</u>, for brief, on-the-spot informal training to prevent repeating incorrect task performances.

c. The reasons for incorrect task performances must be captured for proper preparation of the drill/exercise critique. This normally requires thorough questioning of the individual(s) involved.

E. <u>Critiques</u>

1. Immediate In-Center Critique Sessions:

Conducted in the center by the lead controller immediately after the drill/exercise, this informal session will be used to provide the players with feedback, ensure Center Director/Manager is aware of his/her responsibility to return center/team equipment to readiness state, resolve issues, complete any informal training and ascertain any systematic reasons behind unfavorable observations. For some findings it may be necessary to conduct a category 3 Root Cause Analysis (RCA) persuant to PPM 1.3.48. The key is to determine the "why" of each unfavorable observation involving personnel error that indicates a problem with the system, e.g., improper procedural step, poor personnel selection for the position, ambiguous training, etc. Lead Controllers are to collect all logs, After-Action Reports, and administrative paper work for delivery at the formal critique session.

2. Formal Critique Work Session:

Normally conducted the day after the drill/exercise, this session involves two phases:

a. Team breakout sessions for all evaluators/controllers, during which observations are discussed, researched with players and drafted up on the critique work sheets in several categories; favorable and unfavorable observations, time-line inputs and answers to specific evaluation questions. Necessary RCA's with the players will be completed at this time to assure a reason for each unfavorable finding is ascertained involving systematic induced personnel error. Final team/center documentation and CARs will be prepared for submission by the Lead Controller. <u>Key players may also be called to participate in these sessions</u>.

b. A lead controller session at which team inputs are discussed and submitted, appropriate observations consolidated, assignments are made for any required follow-on actions and issues are identified and categorized for the written critique. Again, key players may be requested to be present.

3. Written Critique:

The drill/exercise director will disseminate a written critique usually within 30 days of the drill/exercise. The critique will normally consist of:

Part I - Chronology: A time line of the major scenario and player response activities.

Part II - Assessment of Drill/Exercise Objectives: An enumeration of any of the objectives that were not met and the reasons.

Part III - Favorable Observations: Any noted display of special initiative or judgement meeting one of the two following definitions:

- Exceptional Performance - A display of initiative or judgement that exceeds procedural requirements to mitigate emergency conditions.

- Noteworthy Performance - A display of procedural initiative or judgement that is performed with a high degree of efficiency to mitigate an emergency condition.

Part IV: Corrective Action Records: Unfavorable findings divided by severity as defined below, as well as by those already closed out (normally involving isolated personnel errors) and those still requiring action (normally involving needed equipment, procedure, software, training, etc., fixes).

In categorizing the severity of drill/exercise findings, the potential significance of the concern under investigation should not be minimized by the possibly limited scope of the scenario. The concern should be extrapolated out to determine the potention total impact under a worse case real event situation:

a. Major Deficiencies: Observed inadequacies that preparedness is not adequate to provide reasonable assurance for the health and safety of the public, and/or that of emergency workers.

b. Minor Deficiencies: Findings which have emergency response impact but do not adversely impact the health and safety of the general public or of emergency workers.

c. Items of Clarification: Findings which do not have an adverse impact on health and safety, but would enhance an organization's level of emergency preparedness.

Part V - Informational Observations: Major points that warrant consideration but do not meet the criteria for unfavorable findings, e.g., efforts directed by a center staff did not appear to be in the most efficient sequence. These do not require resolvement or tracking. For critiques of exercises and the larger drills, the critique may simply make reference to a separate report disseminating informational observations to interested parties.

Part VI - Participants: A listing of all recorded participants who are to recieve credit for the activity.

Part VII - Minority Opinion - In the unlikely event some evaluators/ controllers take exception to the content of the report, their minority opinion will be stated here.

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SECTION III C
SPECIAL EVALUATOR/CONTROLLER INSTRUCTIONS
EXERCISE 90

A. CONTROL

1. Player Response: Players at all of the different emergency centers are to interact with one another as if the simulated situations actually exist. However, communications that would be initiated to individuals and agencies not actually playing in the drill, e.g., BPA, Hanford Patrol, National Weather Service, etc., are to be made to controllers in the control cell who will role play the parts.

2. Coordination: Lead controllers at each of the emergency centers will be linked by telephones set aside for that purpose. This will be used for drill/exercise control coordination, such as to resolve problems or make needed scenario deviations. A control communications listing is attached.

3. Player Participation: For additional players the current players want to use who would not normally be at the plant under the given drill conditions, inject a one-hour response delay time before the additional player(s) are allowed to be used.

B. RECORD KEEPING

1. Logs: Evaluator log forms are at the "Evaluator Logs" tab. Also, you may write observations on the message forms, anticipated response forms or data sheets.

2. Times: Accurate times are important. Call Time at a 9-1-844-1212 to set your watch to the official drill time.

3. Participants: Player and Controller/Evaluator listings at Part I for your center should be documented for "credit" purposes. Special attendance records should be signed by each player during the drill/exercise. These records are to be turned in at the formal critique work sessions.

C. CRITIQUE PREPARATION: Part I of this package contains the critique and work session schedule.

D. ATTACHMENTS

1. Controller Communications Listing

2. Control Cell Operations

3. Evaluator/Controller Sessions

4. Players Briefing

5. Drill/Exercise Root Cause Determination Process.

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ATTACHMENT 1, SECTION III C
CONTROLLER COMMUNICATIONS LISTING
EXERCISE 90

Area	Center/Position	Individual	Phone Number
Plant	Actual Control Room-Controller	TBD	377-2278
	OSC - Lead Controller	Ken Hannah	377-2730
	TSC - Lead Controller	S. Scammon	377-2310
	CAS - Lead Controller	DS Cornagey	377-2809
SIM	Control Room (Simulator) Lead Controller	TBD	377-8091
	Lead Scenario Controller	Jim Landon	377-8769
EOF	SSDC - Controller	Yvonne Derrer	377-8181
	EOFCC - Controller	TBD	377-8228
	OACC - Controller	TBD	377-8071
	TDC - Controller	Rich Wolfgramm	377-8092
	MUDAC - Lead Controller	Vern Shockley	377-8191
	HP Center - Controller	TBD	(PA Page)
Drill Command Center	Drill Director	Ron Chitwood	377-8178
	Drill/Exercise Coordinator	Bob Mogle	377-8178
	Control Coordinator	TBD	377-8178
Head quarters	JIC - Lead Controller	Richard Romanelli	372-5860
	Public Info Telephone Team Evaluator	TBD	TBD
	Media Telephone Team Evaluator	TBD	TBD
	Control Cell - Lead Controller	Don Mannion	372-5873

ATTACHMENT 1, SECTION III C (Continued)

CELLULAR PHONES

FIELD TEAM CONTROLLER PHONE NUMBERS OF RESPECTIVE VEHICLES

PHONE #	LICENSE #	NOTE:
948-0485	C58462	CONTROLLERS CALL MUDAC AT 377-8191
948-0484	C58614	
948-0483	C58468	

For use of controllers only (see following exceptions).

In an emergency or failure of radios during drill/exercise, the cellular phones could be used by players.

Cost is expensive; limit use to necessary only.

Controllers need to have hands on training (10 minutes)

ATTACHMENT 2, SECTION III C
CONTROL CELL OPERATIONS
EXERCISE 90

A. GENERAL

The control cell is made up of "phone talkers" or controllers, whose function it is to role-play as the various agencies and individuals not activated for the drill/exercise, but with whom the players would normally interface. Communications are initiated both ways. For example, a MUDAC player may need to call the National Weather Service for a weather forecast. Instead he should contact the control cell where a controller, role-playing as a forecaster, would read from a data sheet the "canned" drill weather. Also, controllers may call the emergency centers to input scenario messages.

B. PARTICIPATING AGENCIES

The control cell should represent only those organizations or individuals not activated for the drill/exercise. Those activated are limited to:

1. All Plant emergency centers
2. The EOF
3. The Headquarters/JIC
4. State and Benton/Franklin Counties' EOCs
5. Limited portions of DOE participation

C. TELEPHONE TEAM CONTROLLERS

1. Outgoing calls: For telephone messages being called to the activated organizations:

   a. Be sure to read the messages and time line completely so that you can improvise realistically, if necessary. Players may be asking you questions and you may have the information already in the data sheets.

   b. Change the name on the message if necessary to reflect the correct gender.

   c. Special messages, and revisions, may be assigned/made by the Control Cell lead controller.

   d. Do not skip, delete or improvise important messages without the knowledge of the Control Cell lead controller.

e. Record actual responses in the space provided in a legible manner. These responses will be reviewed later by the players.

f. At anytime that it seems appropriate, you may ask to be called back. Be prepared to respond if someone does get back to you.

2. Incoming Calls:

a. Try to keep the incoming call phones clear of other traffic.

b. Portray the called agency/individual as realistically as possible.

3. Telephone Numbers:

a. JIC Media Response Team	375-5100
b. JIC Public Information Team	372-5011

ATTACHMENT 3, SECTION III C
EVALUATOR/CONTROLLER SESSION OUTLINES
EXERCISE 90

A. Package Issue and Orientation: At this session for all evaluators and controllers, the Drill/Exercise Director or Coordinator should cover the following portions of the scenario package:

1. Objectives Tab: Section I A, Objectives and Limitations: Drill/Exercise scope and objectives and limitations, with emphasis on center/team applicability.

2. Schedule Tab: Section I B, Schedule: Schedule of evaluator/controller sessions and drill/exercise day team reporting times.

3. Participants Tab:

   a. Section I C, Players Positions: Location in book.

   b. Section I D, Evaluators/Controllers: Introduction of lead controllers and any necessary clarification of assignments.

   c. Section I F, Player/Observer Instructions: The fact they are being provided to the players and the content of Attachment A, Telephone Use Instructions.

4. Scenario Tab:

   a. Section II A, Introduction to Scenario: An overview.

   b. Section II C, Time-Line Summary: Combined with the introduction overview.

   c. Section II D, Scenario Forms: Format only.

   d. Section II E, Scenario Messages and Anticipated Responses: Section organization and a pertinent message/anticipated response example.

   e. Section II F, General Data Sheets: Section organization and a pertinent data sheet series example.

5. Critical Points Tab: Section II G, Critical Points: A highlight of the responsibilities.

6. Maps/Equipment Tab: Skip.

7. Predrill Checklist Tab: Skip.

8. Evaluator/Controller Instructions Tab:

   a. Section III B, General Evaluator/Controller Instructions: General content.

   b. Section III C, Special Evaluator/Controller Instructions: General content, including that of attachments.

B. Team Scenario Breakout Sessions: Lead Controllers should cover:

1. Any message input and response evaluation responsibility assignments.

2. Specifics on how drill/exercise controller data is to be presented.

3. Individual assignments for the recording of critique worksheet listed time-line inputs, and evaluation of critique worksheet specified evaluation questions.

4. Assignments regarding player accountability and drill/exercise documentation requirements.

5. Drill/exercise day controller/evaluator team member reporting time(s) and location(s).

6. Intra- and inter-team communications and any other coordination matters.

7. Arrangements for the casualty scene inspection (if appropriate).

8. A table-top drill on message input, data presentation, response evaluation, drill/exercise documentation and team communications.

C. Casualty Scene Inspections: Attended by PET and OSC reentry team and other controllers as appropriate, the lead Scenario Controller along with the lead OSC Controller should cover:

1. Specifics on exactly how the equipment and personnel casualties are to be presented to the players, with examination of any mock-ups, etc.

2. Likely player routes of travel and responses to the situations.

3. Any coordination matters.

D. Final All Controller Scenario Coordination Session: The Drill/Exercise Director/Coordinator will cover any last-minute revisions and other control coordination matters with all controllers.

E. Immediate In-Center Critique Session: Conducted in the center immediately after the drill/exercise, the lead or center controllers will:

1. Brief on tentative unfavorable findings as recorded by the evaluators and controllers.

2. Question players to determine the Root Cause Analysis (RCA) "why" of any tentative unfavorable finding involving improper personnel performance with the "why" not already identified, or arrange for the questioning of involved personnel during the critique. Also, responsibilities for the conduct of Category 3 root cause analyses may be assigned.

3. Provide explanations to the players on the scenario and events in answer to their queries.

4. Provide any needed direction on center/team area and equipment restoration.

5. Assure completion and collection at end of drill/exercise of center/team documentation, e.g., After Action Reports, etc.

*6. Arrange for the inclusion of any key players deemed appropriate in the critique work sessions.

F. Team Critique Breakout Work Sessions: Attended by all evaluators/controllers and appropriate key players; lead controllers will:

1. Lead discussions on each finding and make assignments for writing them up.

2. Assure proper procedural research is conducted with players for each unfavorable finding, answering all, who, what, where, when, consequences, violation references and why questions on each.

3. Assure coordination with other evaluator/controller teams on findings that have potential impact elsewhere.

4. Have any outstanding root cause analyses completed.

5. Prepare team documentation for submission.

G. Lead Controller Critique Work Session: Select members of the EP group, directed by the Drill/Exercise Director or Coordinator, will:

1. Conduct a discussion of team inputs, with emphasis on serious findings and those that have potential impact on more than one team.

2. Assemble documentation from the teams.

3. Identify like inputs from more than one team and consolidate where applicable.

4. Conduct any required follow on actions, e.g., root cause analyses interactions with players, for unfavorable findings originally thought not to need them.

*Reinforce this concept!

5. Determine a severity of classification for each unfavorable finding.

6. Develop CARs for the written critique package. Ensure player review/comments are obtained prior to final production of the critique package.

ATTACHMENT 4, SECTION III C
OUTLINE FOR PLAYER'S BRIEFINGS
EXERCISE 90

The following portions of Section I of the drill/exercise package should be covered, orientated towards the players represented at the briefing, e.g., Plant, Security, EOF, etc.

A. Drill/exercise scope and pertinent limitations.

B. Schedule Tab: Section I B, Schedule: Schedule of player sessions.

C. Participants Tab: Section I C, Players Positions: Explanation.

D. Player Instructions Tab:

1. Section I F, Player/Observer Instructions: Cover applicable portions as summarized below:

Center/Group	Paragraphs
Plant	1, 3, 4
Plant Security	1, 3, 4
EOF	1, 2, 3
JIC	1, 2

2. Section I F, Attachment A, Special Telephone Use Instructions: Explanation.

E. Data Sheet 1a, Initial Plant Conditions - Historical Data for all Players.

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ATTACHMENT 5, SECTION III C
DRILL/EXERCISE UNFAVORABLE OBSERVATION
ROOT CAUSE ANALYSIS GUIDE
EXERCISE 90

A. General: The cause of any incorrect personnel task performance(s) will be included for each unfavorable observation. If simple questioning of the player(s) involved fails to identify the cause(s), then a Category 3 type root cause analysis (RCA) will be conducted by and evaluator/ controller in accordance with this guide and attached to the unfavorable observation.

B. Process:

1. Initiate the Root Cause Analysis Summary Sheet (Enclosure 1) by completing Section 1.0.

2. Gather the information necessary to complete Section 2.0, Initial Information Collection. By questioning of involved personnel, complete personal statements on Personal Statement Forms (Enclosure 2).

3. Using the information gathered, determine root cause(s) of the problem by application of the basic root cause determination method (Section 3.0) as follows (do not hesitate to collect additional information if necessary to justify your findings):

   a. For the problem being analyzed, determine if the primary cause is equipment, personnel, or procedures (Section A of the tree).

      NOTE: Although the root cause(s) may be determined to be related to only one of these primary categories, all three should be considered initially to ensure complete coverage. Without complete consideration of the three categories, ALL root cause(s) may not be identified.

   b. For each area in Section A of the tree identified as a primary cause, determine which subcategory (Section B) led to the primary cause. To do this, a list of questions (Section C) has been developed.

   c. For any question in Section C of the tree which is answered "Yes", it is a root cause. Any root cause shall be circled for easy identification. Limiting root cause(s) to those identified in the tree will aid in the trending of similar problems.

4. List in Section 4.0 the personnel who performed the RCA and the completion date.

5. Attach the completed Root Cause Analysis Summary Sheet (Enclosure 1), accompanying Personal Statement Forms (Enclosure 2), and copies of any other relevant documentation, e.g., center/team logs, etc., to the unfavorable observation critique worksheet.

Enclosures:

1. Root Cause Analysis Summary Sheet

2. Personal Statement Form

Drill/Exercise No._____

ENCLOSURE 1, ATTACHMENT 5, SECTION III C
ROOT CAUSE ANALYSIS SUMMARY SHEET
EXERCISE 90

1.0 Unfavorable Observation Number _____

Name of Evaluator/Controller Initiating Analysis:_____

2.0 Initial Information Collection:

a. Any further description of the event/problem identified in the unfavorable observation:_____

_____

_____

_____

_____

b. Pertinent Data (Identify and attach sources of data, e.g., center/team logs, procedure excerpts, personal statements, etc.

Attachment	Description
A	_____
B	_____
C	_____
D	_____
E	_____
F	_____
G	_____

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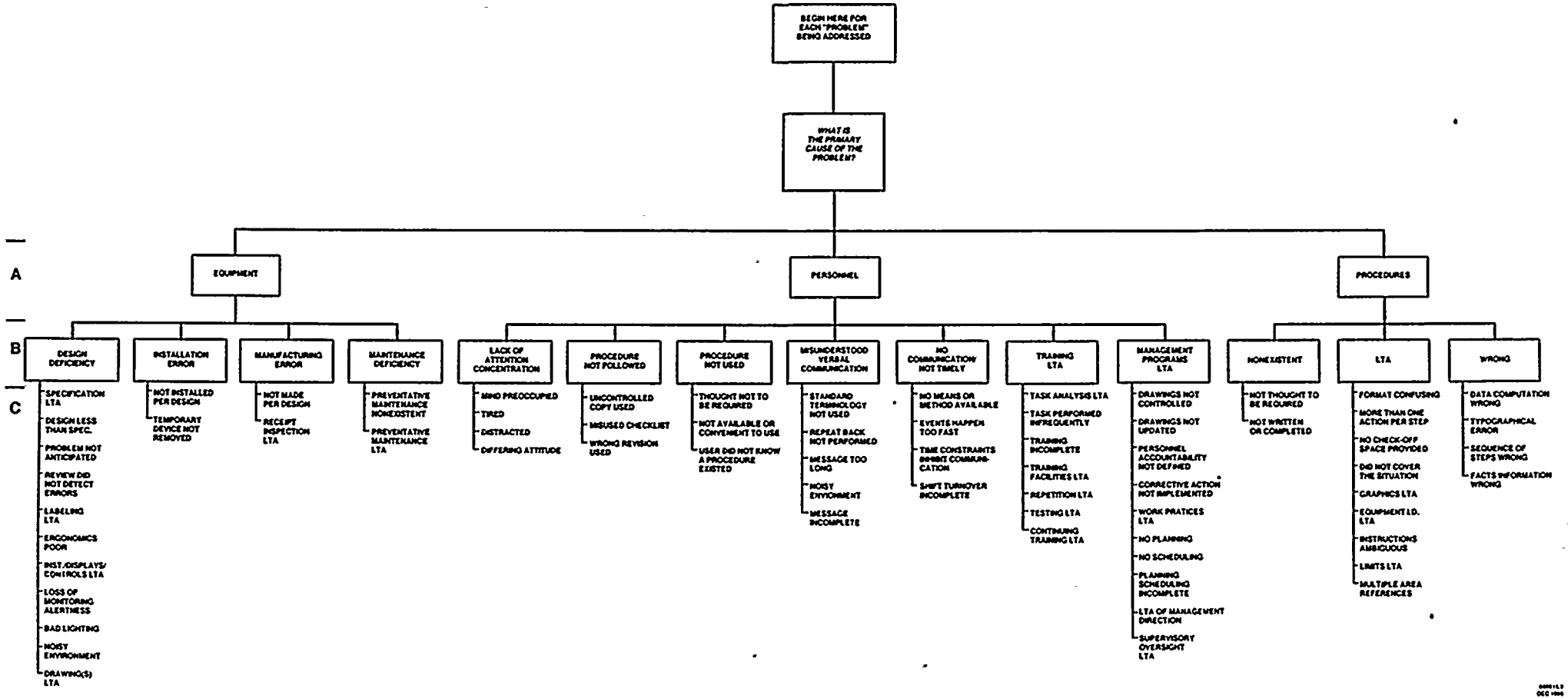
3.0 BASIC ROOT CAUSE DETERMINATION

Use the following "Root Cause Tree" to guide you in determining the root causes(s) of the problem. The tree is intended to serve as a checklist which insures the right questions are asked, and also limits the analysis of any problem to areas within our control. All Section A, B, and C catagories should be considered in your analysis. If you answer yes to any question in Sectiion C of the tree, it is a root cause. Circle any and all root cause(s).

LTA = Less than adequate



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4.0 RCA Performed by:

a. Name of evaluator/controller completing the summary sheet:

_____

b. Any other evaluators/controllers who contributed:

_____

_____

_____

c. Completion date:_____

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Drill/Exercise No. _____

ENCLOSURE 2, ATTACHMENT 5, SECTION III C
PERSONAL STATEMENT FORM
EXERCISE 90

1. Player Name:_____

2. Emergency Center/Team:_____

3. Emergency Position:_____

4. Time of Event:_____

5. Location of Event:_____

6. How did the event actually happen?_____

_____

_____

_____

7. What led up to the event?_____

_____

_____

_____

8. What other work was going on in the area or on the system?_____

_____

_____

_____

9. Explain if anything was wrong with the machinery, equipment, materials, or tools._____

_____

_____

_____

Unfavorable Observation #_____ RCA Attachment_____

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10. Explain if anything was wrong with the procedure, layout, or work instructions._____

_____

_____

_____

11. Describe the way in which human error may have been involved._____

_____

_____

_____

12. Comments or remarks:_____

_____

_____

_____

13. What suggestions would you have to prevent recurrence of this event?_____

_____

_____

_____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Section IIID)	____ of ____

ASSIGNED LOCATION
[redacted]ection Contents

EVALUATOR NAME	ORGANIZATION

Sheet	Item
A	Document Check-In Log
B	Attendance Record
C	Favorable Observation
D	Unfavorable Observation
E	Time-Line Worksheet
F	Evaluation Questions
G	Sample Unfavorable Observation

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.
Exercise 90 (Sheet A)

PAGE ____ of ____

ASSIGNED LOCATION
Document Check-In Log

EVALUATOR NAME

ORGANIZATION

Evaluator/ Controller Team	Sheet B: Attendance Record	Sheet C: Favorable Observation (Optional)	Sheet D: Unfavorable Observation	Sheet E: Time Line Worksheet	Sheet F: Evaluation Questions	Player After Action Reports	Center/ Team Documentation
CR							
OSC							
TSC							
CAS							
SSDC							
SDC							
EOFCC							
OACC							
TDC							
MUDAC							
F TEAMS							
HPC							
JIC							
ST EOC							
CO EOC							
CONT CELL							

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

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Exercise 90 (Sheet B)	____ of ____

ASSIGNED LOCATION
Attendance Records

EVALUATOR NAME	ORGANIZATION

See Attachment

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

ATTENDANCE RECORD CONTROLLERS/EVALUATORS

DRILL/EX ID: _____

DATE: _____

CENTER: _____

	NAME (PRINT)	SIGNATURE	SOC. SEC. NO.	CENTER/POSITION EVALUATED	REMARKS
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Instructors Signature _____

Comments _____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

ATTENDANCE RECORD
PLAYERS

DRILL/EX ID: _____

DATE: _____

CENTER: _____

	NAME (PRINT)	SIGNATURE	SOC. SEC. NO.	EMERGENCY POSITION TITLE	REMARKS
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Instructors Signature _____ Comments _____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet C)	____ of ____

ASSIGNED LOCATION

Favorable Observation for (Center/Team):

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Observation:

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet D)	____ of ____

ASSIGNED LOCATION

Unfavorable Observation for (Center/Team): (Number):

EVALUATOR NAME	ORGANIZATION
	(Office phone)

A. Relevant Objectives (from Section IA):_____

B. Findings (who, what, when, where, consequences, violation): ALL MUST BE COMPLETED.

WHO?:_____

WHAT?:_____

VIOLATION REFERENCE?:_____

WHEN?:_____

WHERE?:_____

CONSEQUENCES?:_____

PLAYERS CONTACTED TO VERIFY ACCURACY OF FINDING?:_____

C. Cause(s)(from Basic Root Cause Determination at Section IIIC):_____

WHY?:_____

D. Feedback (complete for personnel performance category):

1. Involved person(s) briefed on findings: ____Yes; ____No.

2. Root cause analysis attached: ____Yes; ____No.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: Control Room (CR)(Simulator)

EVALUATOR NAME	ORGANIZATION (Office phone)

Time	Item
____	Drill/Exercise start Plant-PA announcement completed.

Unusual Event (if applicable):

____ EAL recognized by PED.
____ Declared by PED.
____ Crash call completed.
____ Alerting tone sounded.
____ UE Plant PA announcement completed.
____ PA announcement of hazards.
____ NRC notification completed.

Alert (if applicable):

____ EAL recognized by PED.
____ Declared by PED.
____ Crash call completed.
____ Alerting tone sounded.
____ ALERT Plant PA announcement completed.
____ NRC notification completed.
____ Information Coordinator arrived.
____ Control Room communicator arrived.

Site Area Emergency (if applicable):

____ EAL recognized by PED.
____ Declared by PED.
____ Crash call completed.
____ Alerting tone sounded.
____ SAE Plant PA announcement completed.
____ NRC notification completed.
____ Information Coordinator arrived.
____ Control Room communicator arrived.

Other items warranting input (if applicable)

____ SM/PED passed control to on-call PED.
____ Announced PED change over to on-call PED.
____ Entire Protected Area controlled evacuation order Plant PA announcement completed.
____ Simulator staff secured from drill/exercise.

____ _____
____ _____
____ _____
____ _____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: OSC

EVALUATOR NAME	ORGANIZATION (Office phone)

Time	(If applicable):	Item
____		Alert Plant PA announcement completed.
____		OSC declared activated.
____		First reentry team dispatched from OSC to (specify area and task)*
____		Entire Protected Area controlled evacuation Plant PA announcement completed.
____		OSC staff initial habitability monitoring in center.
____		OSC dispatched reentry team to measure rad readings in protected area.
____		Communications support personnel arrived from EOF.
____		OSC staff secured from drill/exercise.

Other items warranting input (If applicable):

____	PET direction and control (relieved CR).
____	HP PASS sample called for.
____	HP PASS team dispatched.
____	Extra Emergency Response Organization members dispatched to PSF (simulated - sent back to work).
____	Accountability computer run requested.
____	Accountability computer printout in OSC.
____	Initial accountability declared complete.
____	HP PASS sample taken.
____	HP PASS analyses complete.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION

Time Line Worksheet for: TSC

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	Item
____	TSC declared activated.
____	On-call PED assumed control from SM/PED.
____	On-call PED announced assumption of PED from SM over PA.

Site Area Emergency (if applicable):

____	EAL recognized by PED.
____	Declared by PED.
____	Crash call completed.
____	Alerting tone sounded.
____	SAE PA announcement completed.
____	NRC notification completed.

General Emergency (if applicable):

____	EAL recognized by PED.
____	Declared by PED.
____	Crash call completed.
____	Alerting tone sounded.
____	Plant PA announcement completed.
____	NRC notification completed.

Emergency Classification De-escalation

____	Declared by PED.
____	Crash call completed.
____	Plant PA announcement completed.
____	PED and RM declared emergency phase terminated.
____	TSC secured from drill/exercise.

Other items warranting input (if applicable):

____	PED passed RM duties to on-call EOF RM.
____	PA announcement of RM duties relieved.
____	PED informed of habitability status of PAP/CAS.
____	PED ordered movement of perimeter/CAS staff.
____	PED informed of completion of establishment of road blocks.
____	Extra Emergency Response Organization members dispatched to PSF (simulated - sent back to work).
____	_____
____	_____
____	_____
____	_____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: CAS

EVALUATOR NAME	ORGANIZATION (Office phone)

Time	(If applicable):	Item
____	Unusual Event radio announcement completed.	
____	Alert radio announcement completed.	
____	Site Area Emergency radio announcement completed.	
____	General Emergency radio announcement completed.	
____	De-escalation of emergency radio announcement completed.	
____	OSC reentry team measured dose rates in CAS.	
____	CAS staff secured from the exercise.	

Other items warranting input (is applicable):

____	Accountability computer printout requested.
____	Accountability printout obtained.
____	Accountability printout sent to OSC.
____	
____	
____	
____	
____	
____	
____	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: Supply System Decision Center (SSDC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Time (If applicable): Item

____ EOF declared activated.
____ On-call RM assumed command from PED.
____ PA announcement that EOF is operational.
____ PA announcement of hazards.
____ PA announcement that EOF RM has assumed the RM duties.
____ PA announcement of classification changes.
____ Aware of Protected Area Evacuation (specify type):
____ Exclusion area evacuation ordered by RM.

Crash Calls (indicate completion time, emergency class, PAD and other major contents):

____ _____
____ _____
____ _____
____ _____
____ _____
____ _____

____ SSDC secured from drill/exercise.

Other items warranting input:

____ _____
____ _____
____ _____

____ PED and RM declared emergency phase completed.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION

Time Line Worksheet for: Security Decision Center (SDC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time (If applicable): Item

None.

Other items warranting input.

____ _____

____ _____

____ _____

____ _____

____ _____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: EOF Communication Center (EOFCC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time (If applicable): Item

____ Simulated call for fire trucks.

Unusual Event:

____ Crash calls completed.
____ Part IIA responders identified.
____ Part IIB responders identified.
____ EOF PA announcement completed.
____ Part III notifications completed.

Alert

____ Crash calls completed.
____ Part IIA responders identified.
____ Part IIB responders identified.
____ EOF PA announcement completed.
____ Part III notifications completed.

Site Area Emergency

____ Crash calls completed.
____ Part IIA responders identified.
____ Part IIB responders identified.
____ EOF PA announcement completed.
____ Part III notifications completed.
____ Part IV notifications completed.

General Emergency

____ Crash calls completed.
____ Part IIA responders identified.
____ Part IIB responders identified.
____ EOF PA announcement completed.
____ Part III notifications completed.
____ Part IV notifications completed.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

ASSIGNED LOCATION
Time Line Worksheet for: EOF Communication Center (EOFCC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Continued

Time	Item

De-escalation

____ Crash calls completed.
____ Part IIA responders identified.
____ Part IIB responders identified.
____ EOF PA announcement completed.
____ Part III notifications completed.
____ Part IV notifications completed.
____ EOF secured from exercise.

Other items warranting input.

____ _____
____ _____
____ _____
____ _____
____ _____
____ _____

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
CRITIQUE WORKSHEETS

DRILL NO.	PAGE
Exercise 90 (Sheet E)	____ of ____

DESIGNED LOCATION
Time Line Worksheet for: MUDAC

EVALUATOR NAME	ORGANIZATION (Office phone)

Time	(If applicable):	Item
____		MUDAC activated.
____		State MUDAC staff arrived.
____		DOE-RL MUDAC staff arrived.
____		First Supply System field team dispatched from MUDAC.
____		Last Supply System field team dispatched from MUDAC.
____		Contact with State Field Teams.
____		First MUDAC dose projection completed.
____		Plume definition achieved by MUDAC staff.
____		First dose projection map submitted by MUDAC staff to REM.
____		First field team status map submitted by MUDAC staff to REM.
____		Need for KI evaluated.
____		KI recommendation (Yes/No) to REM.

Dose Projection PARs submitted to REM (list time and PAR):

____ _____

____ _____

____ _____

____ _____

____ _____

Other items warranting input:

____ _____

____ _____

____ _____

____ _____

____ _____

____ MUDAC secured from drill/exercise.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CONTROLLER/CRITIQUER INFORMATION
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SIGNED LOCATION
Time Line Worksheet for: Technical Data Center (TDC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	Item
____	TDC activated.

Other items warranting input:

____ _____

____ _____

____ _____

____ _____

____ _____

____ TDC secured from drill/exercise.

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GNED LOCATION
Time Line Worksheet for: Offsite Agency Coordination Center (OACC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Time

____ OACC activated.

Other items warranting input:

____ _____

____ _____

____ _____

____ _____

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____ _____

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____ _____

____ _____

____ OACC secured from drill/exercise.

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ASSIGNED LOCATION

Time Line Worksheet for: Field Teams

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	(If applicable):	Item
____		Table B.1 field team members present (6).
____		First field team ready for deployment.
____		Last field team ready for deployment.
____		First field team reading above background at (specify Grid location) _____
____		River Evac Field Team at Leslie Groves Park.
____		First air sample ordered.
____		First air sample results reported to MUDAC.
____		Contamination boundaries established.
____		Last field team secured from the drill/exercise.

Other items warranting input:

____ _____

____ _____

____ _____

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SIGNED LOCATION
Time Line Worksheet for: HP Center (HPC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	Item
____	HPC activated.
____	HPC secured from the drill/exercise.

Other items warranting input:

____ _____

____ _____

____ _____

____ _____

____ _____

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SIGNED LOCATION
Time Line Worksheet for: JIC

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	Item
____	JIC activation order given.
____	JIC declared activated.
____	JIC Media telephone team phone lines opened.
____	JIC Public Information team phone lines opened.
____	First news conference started.

News releases (list time distribution completed and major contents, e.g., phone team telephone numbers, classification, PAD identity of man down):

____ _____

____ _____

____ _____

____ _____

____ _____

____ _____

____ JIC phone teams secured from drill/exercise.
____ JIC secured from drill/exercise.

Other items warranting input:

____ _____

____ _____

____ _____

____ _____

____ _____

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ASSIGNED LOCATION
Time Line Worksheet for: Counties EOC

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time (If applicable): Item

____ Counties declaration of emergency signed.
____ Counties EOC secured from drill/exercise.

Other items warranting input:

____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
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GNED LOCATION

Time Line Worksheet for: State EOC

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time (If applicable): Item

____ State declaration of emergency signed.
____ State EOC cell secured from drill/exercise.

Other items warranting input:

____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
____ _____
____ _____

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SIGNED LOCATION

Time Line Worksheet for: Control Cell

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Time	(If applicable):	Item
____	First call completed to JIC media phone team.	
____	First call completed to JIC public information team	
____	First EBS broadcast completed (specify PAD)	
____	_____	
____	_____	
____	_____	
____	Control cell secured from drill/exercise.	

Other items warranting input:

____ _____

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SIGNED LOCATION
Evaluation Questions for: Control Room (CR)(Simulator)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

A. Were operations free of shortcomings relative to the following objectives (negative responses should result in an Unfavorable Observation)?

1 ? _____
2 ? _____
2C3) ? _____
3 ? _____
3C2) ? _____
3C3) ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
4C3) ? _____
6 ? _____
10C1)? _____
13 ? _____
13C1)? _____
16 ? _____
35 ? _____

B. Were INPO suggestions (from their February 3, 1989 drill assistance visit) heeded?

1. Absences of the SM from the control room limited so he can provide more direction?_____

2. The STA used to provide oversight of plant status and to advise the CR staff?
_____

3. A Control Room communicator assigned to assist the SM without distracting the STA from plant condition monitoring? _____

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ASSIGNED LOCATION
Evaluation Questions for: OSC

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in an Unfavorable Observation)?

2 ? _____
2C3) ? _____
3 ? _____
3C1) ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
4C3) ? _____
5 ? _____
5C1) ? _____
5C2) ? _____
6 ? _____
16 ? _____
35 ? _____

B. If applicable, were INPO suggestions (from their February 3, 1989 drill assistance visit) heeded?

1. Required repair actions communicated clearly from the TSC, along with the appropriate sense of urgency? _____

2. Reports submitted to the TSC on conditions preventing response actions from being completed? _____

3. Reentry team formation and dispatch time minimized by:

The conduct of technical and rad briefings in parallel with other activities, such as the gathering of tools, drawings and procedures, and the donning of anti-Cs?_____

The use of staff not part of the teams being dispatched to help departees don their anti-Cs and SCBAs?_____

Some personnel dressed out prior to team formation?_____

Standby personnel moved to a staging area outside of the OSC?_____

The use of abbreviated rad briefings for teams dispatched with a HP Tech?_____

The spotting of high range dosimetry in the OSC?_____

3. Noise controlled to a level that does not distract response personnel or interfere with communications?_____

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ASSIGNED LOCATION
Evaluation Questions for: TSC

EVALUATOR NAME (Office phone)	ORGANIZATION

A. Were operations free of shortcomings relative to the following objectives (negative responses should result in unfavorable observations)?

1 ? _____
1C1) ? _____
2 ? _____
2C3) ? _____
3 ? _____
3C2) ? _____
3C3) ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
4C3) ? _____
5 ? _____
5C2) ? _____
6 ? _____
13 ? _____
13C1)? _____
16 ? _____
26 ? _____
35 ? _____

B. Were INPO suggestions (from their February 3, 1989 drill assistance visit) heeded? _____

1. Required repair actions communicated clearly to the OSC along with the appropriate sense of urgency?_____

2. Follow up initiated to assure response actions are progressing as expected?_____

3. OSC reports rendered to the TSC on any conditions that prevent response actions from being completed?_____

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PLANNED LOCATION	
Evaluation Questions for: CAS	
EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
3 ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
5 ? _____
5C2) ? _____
6 ? _____
6C1) ? _____
6C2) ? _____
13 ? _____
16 ? _____
26 ? _____
35 ? _____

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SIGNED LOCATION
Evaluation Questions for: Supply System Decision Center (SSDC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

1 ? _____
1C1) ? _____
2 ? _____
2C3) ? _____
3 ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
4C3) ? _____
5 ? _____
5C2) ? _____
6 ? _____
13 ? _____
13C1)? _____
16 ? _____
26 ? _____
35 ? _____

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ASSIGNED LOCATION
Evaluation Questions for: Security Decision Center (SDC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
2C3) ? _____
3 ? _____
4 ? _____
4C2) ? _____
5 ? _____
5C2) ? _____
6 ? _____
13 ? _____
16 ? _____
35 ? _____

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DESIGNED LOCATION
Evaluation Questions for: EOF Communication Center (EOFCC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

1 ? _____
1C1) ? _____
2 ? _____
2C4) ? _____
4 ? _____
4C1) ? _____
5 ? _____
13 ? _____
13C1)? _____

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GNED LOCATION
Evaluation Questions for: Offsite Agency Coordination Center (OACC)

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
2C3) ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
5 ? _____
5C2) ? _____

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PLANNED LOCATION
Evaluation Questions for: Technical Data Center (TDC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
2C1) ? _____
2C3) ? _____
4 ? _____
4C2) ? _____
5 ? _____
5C2) ? _____

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ASSIGNED LOCATION
Evaluation Questions for: MUDAC

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

1 ? _____
2 ? _____
2C3) ? _____
3 ? _____
4 ? _____
4C2) ? _____
5 ? _____
5C2) ? _____
6 ? _____
7 ? _____
8 ? _____
10 ? _____
13 ? _____
13C1)? _____
13C2)? _____
16 ? _____

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GNED LOCATION
Evaluation Questions for: HP Center (HPC)

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
2C3) ? _____
3 ? _____
4 ? _____
4C2) ? _____
5 ? _____
6 ? _____
8 ? _____
16 ? _____

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SIGNED LOCATION
Evaluation Questions for: Field Teams

EVALUATOR NAME	ORGANIZATION
	(Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
3 ? _____
4 ? _____
4C2) ? _____
5 ? _____
6 ? _____
6C3) ? _____
6C4) ? _____
7 ? _____
8 ? _____
16 ? _____

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Exercise 90 (Sheet F)

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SIGNED LOCATION
Evaluation Questions for: JIC

EVALUATOR NAME

ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
2C3) ? _____
4 ? _____
4C1) ? _____
4C2) ? _____
5 ? _____
5C2) ? _____
13 ? _____
14 ? _____
14C1)? _____
14C2)? _____
14C3)? _____
14C4)? _____
14C5)? _____
15 ? _____

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ASSIGNED LOCATION Evaluation Questions for: State EOC

EVALUATOR NAME | ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
4 ? _____
5 ? _____
5C2) ? _____
7 ? _____
8 ? _____
9 ? _____

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ASSIGNED LOCATION
Evaluation Questions for: Counties EOC

EVALUATOR NAME	ORGANIZATION (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

2 ? _____
4 ? _____
5 ? _____
5C2) ? _____
11 ? _____
12 ? _____
12C1)? _____
12C2)? _____
12C3)? _____
12C4)? _____
18 ? _____
18C1)? _____
19 ? _____
20 ? _____

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ASSIGNED LOCATION: Evaluation Questions for: Control Cell

EVALUATOR NAME:

ORGANIZATION: (Office phone)

Were operations free of shortcomings relative to the following objectives (negative responses should result in Unfavorable Observations)?

4 ? ____
13 ? ____
14 ? ____
14C1)? ____
15 ? ____

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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DRILL NO.
Generic Drill/Exercise Example (Sheet G)

PAGE ____ of ____

SIGNED LOCATION
Sample Unfavorable Observation for (Center/team): MUDAC (Number): 3

EVALUATOR NAME
Tom Batman

ORGANIZATION
(Office phone) 8000

A. Relevant Objective (from Section IA): 10

B. Findings (who, what, when, where, consequences, violation):

The dose projection personnel (who) were unable to compute an integrated dose due to the absence of a default value when the duration of the release was unknown (what). This occurred from the time the release started - 0930 hours - to time it was terminated - 1130 hours (when) in the MUDAC (where). Consequently, a viable dose projection and protective action recommendation based on dose could not be prepared (consequences) as required by EPIP 13.8.1.3 and EPIP 13.4.2.3.B.1 (violation).

C. Cause(s)(from Basic Root Cause Determination at Section IIIC):

Procedure less than adequate - did not cover situations: EPIP 13.8.1.

D. Feedback (complete for personnel performance category):

1. Involved person(s) briefed on findings: ____Yes, ____No.

2. Root cause analysis attached: ____Yes, ____No.

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DRILL NO. Generic Drill/Exercise Example (Sheet G) | PAGE ____ of ____

ASSIGNED LOCATION Sample Unfavorable Observation for (Center/team): JIC (Number): 5

EVALUATOR NAME E.N. Pulver | ORGANIZATION (Office phone) 5000

A. Relevant Objective (from Section IA): 14c3

B. Findings (who, what, when, where, consequences, violation):

All members of the JIC Media Telephone Team (who) pounded out their phones while they watched the news conference on a TV monitor (what) between 0927 and 0945 (when) in the telephone team room (where). This precluded the answering of incoming queries from the media (consequences), and was contrary to EPIP 13.12.11, Attachment B-1, step 10 (violation).

C. Cause(s)(from Basic Root Cause Determination at Section IIIC):

Management Programs - Management direction, less than adequate. A former Assistant JIC Director, Colby Bells, had instructed all phone team members to monitor the news conferences in this manner.

D. Feedback (complete for personnel performance category):

1. Involved person(s) briefed on findings: X Yes, ____No.

2. Root cause analysis attached: ____Yes, X No.

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DRILL NO. Generic Drill/Exercise Example (Sheet G) | PAGE ____ of ____

SIGNED LOCATION Sample Unfavorable Observation for (Center/team): OSC (Number): 17

EVALUATOR NAME Roger Heinz | ORGANIZATION (Office phone) 2000

A. Relevant Objective (from Section IA): 3c2

B. Findings (who, what, when, where, consequences, violation):

OSC Reentry Team 7, dispatched to engage the turbine turning gear on TG 501' (who), deviated from their instructions by joining Team #4 on RW 522' on RW on RW 522' in the SW stairwell without the knowledge or consent of the OSC Director/staff (what) at 0920 hours (when). This resulted in their unnecessary exposure to 6.8 R/hr field and nonavailability for subsequent dispatch for approximately 20 minutes (consequences), and violated EPIP 13.10.12.3.A.9 and 16 (violation).

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C. Cause(s)(from Basic Root Cause Determination at Section IIIC):

See attached RCA.

D. Feedback (complete for personnel performance category):

1. Involved person(s) briefed on findings: ____Yes, __X__No.

2. Root cause analysis attached: __X__Yes, ____No.

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EVALUATOR LOG

PAGE

TIME	EVENT	COMMENT

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EVALUATOR LOG

PAGE

TIME	EVENT	COMMENT

968-16223 R1 (1-84)

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IV. SUPPORTING INFORMATION

A. Copies of Procedures to be Implemented

- Copies of implemented EPIPs will be made available to all controllers and evaluators.

B. Other Supporting Information

- None

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