

# FENOC

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PY-CEI/NRR-2459L

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Perry Nuclear Power Plant  
Dockets Nos. 50-440  
Submission of Exercise Scenario

Ladies and Gentlemen:

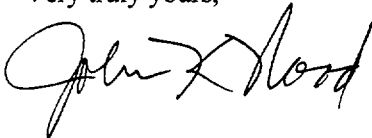
In keeping with the schedule established in Inspection Manual Procedure 82302, the scenario package for the March 21, 2000 Evaluated Exercise at the Perry Nuclear Power Plant (PNPP) is being submitted for approval review. Due to the confidential nature of the scenario package, copies of the scenario package have only been provided to the parties listed on the enclosed distribution list to ensure controlled access prior to the exercise.

The scenario package is not intended to drive any Nuclear Regulatory Commission (NRC) exercise activities. Therefore, no specific objectives are included for demonstration by NRC staff.

Comments from the NRC and Federal Emergency Management Agency (FEMA) on the proposed scenario package are requested by no later than February 21, 2000.

If you have any questions or require additional information, please contact David L. Bauguess, Emergency Planning Unit at (440) 280-5589.

Very truly yours,



Dlb/tls

Enclosure

cc: NRC Project Manager  
NRC Resident Inspector  
NRC Region III, Incident Response Center

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Enclosure  
PY-CEI/NRR-2459L  
January 20, 2000

Distribution of Scenario Package for the March 21, 2000 Evaluated Exercise  
at the Perry Nuclear Power Plant (PNPP)

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FIRST ENERGY CORPORATION  
PERRY NUCLEAR POWER PLANT

2000 EMERGENCY PREPAREDNESS EXERCISE

INTRODUCTION

To evaluate the state of emergency preparedness and to satisfy the requirements outlined in 10CFR50 Appendix E (Section IV.F.2.b-d), a full participation exercise will be conducted on March 21, 2000. This Exercise will be conducted jointly with the State of Ohio and Ashtabula, Geauga and Lake Counties. The conduct and evaluation of the Exercise also provides training for emergency response organization personnel and a means to further enhance First Energy Corporation's emergency response capability.

The enclosed Exercise Manual has been developed to provide the basis for the conduct of a simulated accident at the Perry Nuclear Power Plant Unit 1 facility, located in North Perry Village, Ohio. As such, the manual is to be utilized by the exercise controllers to initiate, control, and evaluate the activities of the participants in the exercise. Included in this manual are a general description and overview of the emergency exercise, the scenario, relevant data and time schedule of simulated plant conditions.

The Exercise Manual is subject to a limited, controlled distribution. Exercise "players" will not have prior knowledge of the nature of the simulated incident or any parts thereof.

As exercise efforts progress, changes may be required to the Exercise Manual. Any changes made to the Exercise Manual since the 60-day submittal will be identified during pre-exercise meetings.

PERRY NUCLEAR POWER PLANT  
2000 EMERGENCY PREPAREDNESS EXERCISE

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PERRY NUCLEAR POWER PLANT  
1996 EMERGENCY PREPAREDNESS EXERCISE

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## **SECTION 1.0**

### **EXERCISE OBJECTIVES**

The following is contained in this section:

- Section 1.1 – Perry Plant (On-Site) Objectives
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- Section 1.2 – State of Ohio Objectives
- 
- Section 1.3 – Ashtabula County Objectives
- 
- Section 1.4 – Lake County Objectives
- 
- Section 1.5 – Geauga County Objectives

**PERRY NUCLEAR POWER PLANT**  
**FULL PARTICIPATION EXERCISE**

**OBJECTIVES**

**Section 1.1**  
**Perry Plant Onsite Objectives**

**March 21, 2000**

**2000 PERRY EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group A	Objectives:	EVENT CLASSIFICATION
CR	A.1	Demonstrate ability to effectively assess postulated plant indications, alarms and reports, and correctly classify an emergency event in a timely manner.
CR, TSC EOF	A.2	Demonstrate ability to correctly identify a series of postulated emergency events which escalate to a Site Area or General Emergency classification.
EOF	A.3	Demonstrate ability to correctly terminate from the emergency phase.

Limiting Condition: A separate Recovery Director and Plant Recovery Manager will be mobilized in support of Recovery planning. TSC and EOF staffing used to support Emergency Phase response will establish the framework of a Recovery Organization as outlined in EPI-A10.

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group B	Objectives:	ERO NOTIFICATIONS/RESPONSE
CR, TSC SAS	B.1	Demonstrate ability to notify on-call ERO personnel in a timely manner upon (re)classification of an emergency event.
TSC, OSC EOF, PIRT JPIC	B.2	Demonstrate ability to adequately staff and activate facilities promptly in support of postulated emergency conditions.
TSC, OSC	B.3	Demonstrate ability to augment staffing in support of postulated emergency conditions.
CR, TSC EOF	B.4	Demonstrate ability to effectively direct the activation of emergency facilities in a timely manner when required by procedure or warranted based on postulated events.
EOF, TSC	B.9	Demonstrate the ability to coordinate with and support NRC regional site team activities.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group C Objectives: OFFSITE NOTIFICATIONS		
CR, TSC, EOF	C.1	Demonstrate ability to notify the State of Ohio and local counties within 15 minutes of initially declaring and reclassifying an emergency event.
CR, TSC, EOF	C.2	Demonstrate ability to notify the NRC within one hour of initially declaring or reclassifying an emergency event.
CR, TSC, EOF	C.3	Demonstrate ability to periodically update Federal, State and local county officials, and agencies on the status of emergency based on available information.
CR, TSC, EOF	C.4	Demonstrate ability to maintain an open line over the ENS and "5-way" circuits and respond to inquiries promptly.
		<u>Limiting Condition:</u> "5-Way" Circuit or alternate methods will be used to contact actual State and local county points of contact. A phone cell will be used to simulate communications and interactions with the NRC.
CR, TSC EOF	C.6	Demonstrate ability to effectively transfer responsibility for ENS and "5-way" circuits between facilities.
TSC, EOF	C.7	Demonstrate ability to notify and periodically update utility support organizations (e.g., INPO, NEIL) as required.
		<u>Limiting Conditions:</u>
	1.	No specific timeframe is established at the Alert classification for the notification of NEIL and INPO. Therefore, initial contact with these organizations is expected to be turned over to the TSC from the Control Room Simulator.
	2.	Actual calls will be placed to the INPO Incident Response Center. However, notifications to NEIL will be via a control cell with telephone numbers pre-established with participants as an initial condition.
EOF	C.8	Demonstrate mechanism for recommending protective actions to State and local county authorities.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

Group D Objectives: EMERGENCY COMMUNICATIONS

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
CR, TSC OSC, EOF PIRT, JPIC	D.1	Demonstrate ability to communicate clearly and effectively between onsite facilities.
CR, SAS OSC	D.2	Demonstrate ability to communicate clearly and effectively with shift and OSC repair/assessment team personnel dispatched in-plant.
TSC, EOF	D.3	Demonstrate ability to communicate clearly and effectively with Radiation Monitoring Teams (RMTs).
CR, CAS	D.4	Demonstrate ability to effectively warn or advise Plant personnel or individuals onsite or in adjacent areas controlled by CEI utilizing the Plant Public Address (PA), and Exclusion Area Page Systems.
CR, TSC	D.6	Demonstrate ability to keep Corporate management informed of the emergency status EOF and coordinate Corporate support.

Limiting Condition: Corporate response activities will be limited to notifications of plant status and requests for Corporate support.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group E Objectives: COMMAND AND CONTROL		
CR	E.1	Demonstrate ability of Shift Supervisor to promptly assume and carry out duties of the Emergency Coordinator upon the initial classification of an emergency event.
CR, TSC EOF	E.2	Demonstrate effective and orderly transfer of Emergency Coordinator duties between facilities.
CR, OSC, TSC, EOF	E.3	Demonstrate ability of key ERO personnel to coordinate, emergency assessment and response activities.
CR, TSC	E.4	Demonstrate ability to establish/revise in-plant ERO priorities and effectively utilize ERO personnel to address priorities.
CR, TSC, OSC, EOF PIRT, JPIC	E.5	Demonstrate ability to effectively coordinate facility activities and to update facility staff on event status, priorities, and expected actions.
OSC	E.6	Demonstrate ability to coordinate the assembly, effective briefing/debriefing, and timely dispatching of OSC teams.
OSC	E.7	Demonstrate ability to promptly access spare/replacement parts and deliver to OSC or in-plant repair teams.
<u>Limiting Conditions:</u> No spare parts or equipment will be withdrawn from the warehouse inventory. Objective will be limited to communications with Material Handlers, searching of warehouse data bases, and delivery of simulated part to OSC or work area.		
OSC, SECURITY	E.8	Demonstrate effective coordination of on-shift personnel (PPOs, Security Officers, etc.) and their integration with the ERO when mobilized.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

AFFECTED AREA    ITEM NO.

OBJECTIVE

Group E Objectives:    **COMMAND AND CONTROL (cont'd.)**

- |                 |      |  |
|-----------------|------|--|
| TSC, EOF<br>RMT | E.9  | Demonstrate ability to effectively transfer dose assessment responsibility and control of RMTs between facilities.   |
| EOF, RMT        | E.10 | Demonstrate ability to effectively control RMT movement in relation to the release plume.  |
| TSC, EOF        | E.11 | Demonstrate ability of Plant, and State and local county governments to work effectively and in a coordinated manner as specified in the Plant Emergency Plan. |

AFFECTED AREA    ITEM NO.

OBJECTIVE

Group F Objectives:    **ACCIDENT ASSESSMENT/RESPONSE**

- |    |      |  |
|----|------|--|
| CR | F. 1 | Demonstrate timely and effective use of Plant Emergency Instructions (PEIs), Off-Normal Instructions (ONIs), and other operations procedures to respond to postulated indications, alarms and reports. |
|----|------|--|

Limiting Conditions: The exercise scenario was developed based on an anticipated operator response in accordance with plant procedures. Deviations from postulated response actions will be allowed by the controller organization if this action does not prevent the demonstration of objectives.

The purpose of the exercise is not to evaluate the adequacy of license operator training. Any concerns or questions regarding operator response to a postulated scenario event or casualty will be referred to Operations Training Unit (OTU) for resolution.

- |         |     |   |
|---------|-----|---|
| CR, TSC | F.2 | Demonstrate ability of the ERO to assess postulated equipment or component failures in a timely manner and effectively develop corrective actions to mitigate events. |
|---------|-----|---|

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group F Objectives: ACCIDENT ASSESSMENT/RESPONSE (Contd.)		
TSC, EOF	F.3	Demonstrate ability to identify the source of an actual or potential radiological release and postulated magnitude based on plant system parameters and effluent monitors.
TSC, EOF RMT	F.5	Demonstrate ability to mobilize and deploy RMTs in a timely manner.
RMT	F.6	Demonstrate appropriate equipment and procedures for determining ambient radiation levels.
RMT	F.7	Demonstrate appropriate equipment and procedures for measuring airborne radioactive concentrations as low as $10^{-7}$ $\mu\text{Ci/cc}$ under field conditions in the presence of noble gases.
EOF	F.8	Demonstrate ability to project exposures based on plant effluent monitor readings and field data for various meteorological conditions.
EOF	F.9	Demonstrate ability to determine appropriate protective action recommendations for the general public based on NUREG-0654, Appendix 1 and EPA Protective Action Guidelines (PAGs).
EOF	F.10	Demonstrate ability for determining the source term for releases of radiological material within plant systems (i.e. relationship between containment radiation monitor readings and radioactive material available for release from containment).
EOF, RMT	F.12	Demonstrate ability to effectively track airborne radioactive plume using RMTs.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED</u>	<u>ITEM</u>	
<u>AREA</u>	<u>NO.</u>	<u>OBJECTIVE</u>

Group F Objectives: ACCIDENT ASSESSMENT/RESPONSE (Contd.)

CR, TSC, OSC, EOF	F.16	Demonstrate onsite capability and resources to provide initial values and continuing assessment throughout the course of an accident, to include: <ul style="list-style-type: none"> <li>• Post Accident Sampling capability</li> <li>• Radiation and effluent monitors</li> <li>• In-plant radiation monitoring instrumentation</li> <li>• Containment radiation monitoring</li> </ul>
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<u>AFFECTED</u>	<u>ITEM</u>	
<u>AREA</u>	<u>NO.</u>	<u>OBJECTIVE</u>

Group G Objectives: FACILITIES AND EQUIPMENT

CR, TSC,	G.1	Demonstrate effective operation and adequacy of facilities in the assessment and OSC, EOF, mitigation of a postulated emergency event.
CR, TSC OSC, EOF PIRT, JPIC	G.2	Demonstrate ability of key ERO personnel to perform the staffing responsibilities outlined in Table 8-1 of the Emergency Plan for the event postulated.
CR, TSC, PIRT, JPIC	G.5	Demonstrate ability of facility staff to update/maintain status boards and other OSC, EOF, displays in an accurate and timely manner.
CR, TSC, EOF	G.6	Demonstrate ability of ERO staff to effectively use the Integrated Computer System (ICS) to monitor and assess plant conditions.
TSC, EOF	G.9	Demonstrate ability of TSC and EOF staff to place facility HVAC in emergency isolation mode.
TSC, EOF	G.10	Demonstrate ability of the TSC and EOF HVAC systems to adequately maintain facility temperature control within established limits.

AFFECTED ITEM

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

AREA      NO.      OBJECTIVE

Group G Objectives: FACILITIES AND EQUIPMENT (Contd.)

ALL            G.11            Demonstrate availability of equipment (including dosimetry and sampling devices) to effectively support facility operations, OSC teams, and RMTs.

Group H Objectives: ACCOUNTABILITY

SECURITY    H.1            Demonstrate ability to account for all individuals within the Protected Area upon initiation of personnel accountability by ascertaining the names of missing individuals within 30 minutes and accounting for Protected Area personnel continuously thereafter.

Limiting Condition: Personnel accountability will be demonstrated through the temporary evacuation of non-essential personnel from the Protected Area. Access back into the Protected Area will be allowed once accountability is accomplished.

Personnel required to support plant operation or exercise control and evaluation activities will be exempted from accountability. Exempted personnel will be identified to Site Protection prior to the exercise.

SECURITY    H.6            Demonstrate ability to radiologically monitor individuals evacuating the Protected Area.

Group I Objectives: EXPOSURE CONTROL

OSC            I.1            Demonstrate ability to effectively monitor and control emergency worker exposures per Plant procedures.

OSC, TSC,    I.3            Demonstrate ability to assign personal dosimetry, effectively monitor EOF            exposure at appropriate frequencies, and maintain accurate dose records for Plant emergency workers.

Limiting Condition: Issuance of dosimetry to OSC staff at a Site Area Emergency per EPI-B11, OSC staff will be issued a TLD and low range dosimeter upon declaration of a Site Area Emergency. However, OSC staff requiring RRA access will continue to follow normal plant dosimetry requirements.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group I Objectives: EXPOSURE CONTROL		
OSC, HP	I.4	Demonstrate adequate equipment and procedures for decontamination of Plant emergency workers and equipment, and for waste disposal.
HP	I.5	Demonstrate onsite contamination control measures, including area access control, drinking water and food supplies, and criteria for permitting return of areas and items to normal use.
Group J Objectives: MEDICAL RESPONSE		
FAT	J.1	Demonstrate ability of onsite first aid responders to effectively assess a medical emergency and render appropriate medical care within their training in a timely manner.
FAT, HP	J.2	Demonstrate adequacy of health physics support in determining the radiological status of a victim and advising first aid responders on radiological concerns.
FAT	J.3	Demonstrate adequacy of facilities and equipment to support first aid responders.
FAT, SAS	J.4	Demonstrate ability to promptly notify and request offsite ambulance support for transportation of a victim.
SECURITY, FAT	J.5	Demonstrate organizational ability and procedures for Plant first aid responders, health physics, and security officers to effectively coordinate: ingress and egress to and from the Protected Area of an offsite ambulance; dress-out and radiological monitoring of the ambulance and crew, and transfer of a victim.

Limiting Conditions: Postulated injury will not justify ambulance crew access into the plant RRA. Therefore, transfer of victim from the FAT to Perry Township Fire Department will occur at the RRA Access Point.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
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Group J Objectives: MEDICAL RESPONSE (Cont'd.)

SAS	J.6	Demonstrate ability to notify and coordinate with a local medical facility for the care, handling and treatment of a contaminated and injured victim.
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Limiting Condition: Objective is limited to the notification of Lake East Hospital in Painesville, OH. Interface of plant Health Physics support with hospital staff will be evaluated under Lake County objectives per FEMA-REP-15.

Group K Objectives: PUBLIC INFORMATION/RUMOR CONTROL

JPIC	K.1	Demonstrate points of contact and physical locations for use by news media during an emergency.
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JPIC	K.3	Demonstrate organizational ability and procedures to designate a spokesperson having access to necessary information, and arrange for a timely exchange of information among designated spokespersons.
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JPIC	K.4	Demonstrate ability to brief media representatives in a clear, accurate and timely manner.
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JPIC	K.5	Demonstrate ability to monitor the media to detect and correct errors.
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PIRT, JPIC	K.6	Demonstrate ability of Company telephone attendants and personnel to reroute incoming inquiries regarding the emergency to the PIRT/JPIC.
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Limiting Condition: This objective is met by a controller calling directly into an ERO Facility and being directed to an appropriate facility/personnel.

JPIC	K.7	Demonstrate ability to establish and operate rumor control in a coordinated fashion.
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**2000 PERRY PLANT EVALUATED EXERCISE  
1.1 PERRY ONSITE OBJECTIVES**

<u>AFFECTED AREA</u>	<u>ITEM NO.</u>	<u>OBJECTIVE</u>
Group I Objectives:	EXPOSURE CONTROL	
PIRT, JPIC	K.8	Demonstrate ability of the PIRT/JPIC to disseminate information to Company employees.

Group L Objectives: RECOVERY

TSC, EOF	L.2	Demonstrate ability to formulate a Recovery Plan and identify a Recovery Organization.
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Limiting Condition: No additional callouts, with the exception of the Recovery Director and Plant Recovery Manager, will be made to support Recovery discussions. ERO personnel staffing the TSC and EOF during the Emergency Phase will be integrated into a Recovery Organization to assist in the development of a preliminary Recovery Plan.

EOF	L.3	Demonstrate ability to establish a method of periodically updating State and local county officials on plant recovery activities.
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END OF LISTING

**PERRY NUCLEAR POWER PLANT**  
**FULL PARTICIPATION EXERCISE**

**OBJECTIVES**

**Section 1.2**  
**State of Ohio Objectives**

**March 21, 2000**

2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES

**GROUP A OBJECTIVES - CORE OBJECTIVES**

**OBJECTIVE 1: MOBILIZATION OF EMERGENCY PERSONNEL** Demonstrate the ability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

Objective Selected: Yes

Offsite Response Organizations:

American Red Cross	Ohio Emergency Management Agency
Attorney General's Office	Ohio Department of Mental Health
Ohio Department of Agriculture	Ohio Department of Natural Resources
Ohio Department of Health	Ohio Department of Transportation
Ohio National Guard	Ohio Environmental Protection Agency
Ohio Department of Human Services	Public Utilities Commission of Ohio
Ohio Department of Public Safety/Highway Patrol	

Extent of Play:

The State will notify and mobilize all response agencies who have responsibilities in the State EOC (listed below). The field activities will be prepositioned. The following response functions will be staffed:

State EOC:	Executive Room	Field Activities:	Emergency Operations Facility
	Operations Room		Joint Public Information Center
	Assessment Room		Field Monitoring Teams
	Public Information		Field Sample Screening Point
	Rumor Control		Communications Van
	Communications		
	Security		

**2000 PERRY EVALUATED EXERCISE**  
**1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 2: FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT** Demonstrate the adequacy of facilities, equipment, displays, and other materials to support emergency operations.

Objective Selected: Yes

Offsite Response Organization:

Ohio Emergency Management Agency

Extent of Play:

All facilities, equipment and displays at the locations listed in Objective 1 will be demonstrated. Backup power will be demonstrated in the EOC at a time mutually agreed upon by FEMA evaluators and Ohio EMA's communications section.

**OBJECTIVE 3: DIRECTION AND CONTROL** Demonstrate the ability to direct and control emergency operations.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Department of Health

Ohio Emergency Management Agency

Extent of Play:

Overall direction and control of state activities will be demonstrated in the State EOC. The Executive Director of Ohio EMA will be positioned in the Executive Room and will coordinate decisions on behalf of the Governor's office. The Ohio Department of Health is responsible for operational functions in the Assessment Room.

**OBJECTIVE 4: COMMUNICATIONS** Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

Objective Selected: Yes

Offsite Response Organization:

Ohio Emergency Management Agency

Extent of Play:

The primary means of communications between the State EOC, County EOCs, Joint Public Information Center, and Emergency Operations Facility is telephone. The primary means of communications between the State EOC, Field Monitoring Teams and Field Sample Screening point is two-way radio. The state communications van will be located at Ledgemont Elementary School. Backup communications will be available during the exercise and will be demonstrated upon request or in case primary communications fail.

**2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 5: EMERGENCY WORKER EXPOSURE CONTROL** Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Department of Health  
Ohio Emergency Management Agency  
Ohio Environmental Protection Agency

Extent of Play:

The State Assessment Room will monitor the exposure of the Field Monitoring Teams and the Sample Screening Point.

Previous ARCA: 47-96-A-05-03

Ensure that all group dosimetry kits contain a CDV-750 dosimeter charger and that the dosimeters are zeroed at the time of issuance and initial readings recorded.

Previous ARCA: 47-96-A-05-03

Ensure that all emergency workers are provided training in radiological exposure control.

**OBJECTIVE 6: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING**  
Demonstrate the appropriate use of equipment and procedures for determining field radiation measurements.

Objective Selected: Yes

Offsite Response Organization:

Ohio Emergency Management Agency  
Ohio Department of Health

Extent of Play:

Two field radiological monitoring teams will participate in the exercise. The teams will be prepositioned at the Lake County EOC at the ALERT stage. The teams will function from that point in accordance with their SOPs.

**OBJECTIVE 7: PLUME DOSE PROJECTIONS** Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Department of Health  
Ohio Emergency Management Agency  
Ohio Environmental Protection Agency

Extent of Play:

The State Assessment Room will be activated at the ALERT stage. Plume projections will be done on a computer using a dose assessment program specifically for the Perry Nuclear Power Plant. The backup is a battery operated laptop computer and will be demonstrated if requested. Recommendations will then be forwarded to the Executive Group.

**2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING** Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (0.000001) microcuries per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Department of Health  
Ohio Emergency Management Agency  
Ohio Environmental Protection Agency

Extent of Play:

As stated in Objective 6, the radiological monitoring teams will function in accordance with their procedures. However, charcoal cartridges will be used in the air samplers instead of the more costly silver zeolite filters.

Samples will be taken to the field sample screening point (located at Ledgemont Elementary School), but will not be transported to the lab in Columbus.

**OBJECTIVE 9: PLUME PROTECTIVE ACTION DECISION MAKING** Demonstrate the capability to make timely and appropriate protective action decisions (PAD).

Objective Selected: Yes

Offsite Response Organizations:

Ohio Department of Health  
Ohio Emergency Management Agency  
Ohio Environmental Protection Agency

Extent of Play:

The decision making process will take place in accordance with the State Plan. Protective Action Recommendations, animal advisories and emergency worker protective recommendations, including KI use, will be processed in the Assessment Room and forwarded to the Executive Room. Coordination will take place between the executive groups in the Ashtabula County, Geauga County, Lake County and State of Ohio EOCs. The recommendations will then be forwarded to the counties over the dedicated phone in the Assessment Room.

**OBJECTIVE 10: ALERT AND NOTIFICATION** Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway emergency planning zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Emergency Management Agency

Extent of Play:

The State will consult with the county EOCs to determine the best immediate protective action for the populace. Once a decision is reached that requires the activation of the alert and notification system, Lake County will simulate the initiation of the sirens and the appropriate EAS message. (See Lake County Objective 10.)

**2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 11: PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION** Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Objective Selected: Yes

Offsite Response Organizations:

Ohio Emergency Management Agency

Extent of Play:

Same as Objective 10.

**OBJECTIVE 12: EMERGENCY INFORMATION - MEDIA** Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

Objective Selected: Yes

Offsite Response Organizations:

Department of Public Safety

Ohio Department of Health

Ohio Emergency Management Agency

Extent of Play:

The Ohio EMA PIO and a Health Department representative will be present at the JPIC (Lakeland Community College) to address protective actions being implemented and the activities taking place at the State level. Coordination will take place between state, county and utility PIOs. Public information representatives will be present in the State EOC to communicate with the JPIC.

**OBJECTIVE 13: EMERGENCY INFORMATION - RUMOR CONTROL** Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Objective Selected: Yes

Offsite Response Organization:

Ohio Emergency Management Agency

Extent of Play:

In accordance with the REP plan and SOPs, rumor control will be accomplished by establishing and publicizing a rumor control telephone number for the State EOC.

One Rumor Control Operator will be demonstrated during the exercise. A minimum of 12 rumor control messages will be inserted. The Rumor Control Operator will receive an average of 6 calls per hour for a two-hour period.

The Rumor Control Officer will be responsible for identifying trends. This information will be forwarded to the PIO at the JPIC.



2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES

**GROUP B OBJECTIVES - SCENARIO DEPENDENT**

**OBJECTIVE 14: IMPLEMENTATION OF PROTECTIVE ACTION - USE OF POTASSIUM IODIDE (KI) FOR EMERGENCY WORKERS, INSTITUTIONALIZED PERSONS, AND THE GENERAL PUBLIC**

Demonstrate the capability and resources to implement potassium iodide (KI) protective actions for emergency workers, institutionalized individuals and, if the State plan specifies, the general public.

Objective Selected: Yes

Offsite Response Organization:

Ohio Emergency Management Agency

Ohio Department of Health

Extent of Play:

The Field Monitoring Teams will simulate the use of KI if recommended by ODH. The State plan does not specify the use of KI by the general public. All emergency workers have pre-distributed KI.

**OBJECTIVE 15: IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS**

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

Objective Selected: No - This is a county function.

**OBJECTIVE 16: IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS** Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway emergency planning zone (EPZ).

Objective Selected: No - This is a county function.

**OBJECTIVE 17: TRAFFIC AND ACCESS CONTROL** Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

Objective Selected: No - This is a county function.

**OBJECTIVE 18: RECEPTION CENTER - MONITORING, DECONTAMINATION, AND REGISTRATION**

Demonstrate the adequacy of procedures, facilities, equipment, and personnel for the radiological monitoring, decontamination, and registration of evacuees.

Objective Selected: No - This is a county function.

**OBJECTIVE 19: CONGREGATE CARE** Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Objective Selected: No - This is a county function.

**2000 PERRY EVALUATED EXERCISE**  
**1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 20: MEDICAL SERVICES - TRANSPORTATION** Demonstrate the adequacy of vehicles, equipment, procedures, and personnel for transporting contaminated, injured, or radiologically exposed individuals.

Objective Selected: No - This is a county function.

**OBJECTIVE 21: MEDICAL SERVICES - FACILITIES** Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or radiologically exposed individuals.

Objective Selected: No - This is a county function.

**OBJECTIVE 22: EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES - MONITORING AND DECONTAMINATION** Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency workers, equipment and vehicles.

Objective Selected: No - This is a county function.

2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES

**GROUP C OBJECTIVES - SIX YEAR CYCLE**

**OBJECTIVE 23: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)** Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 24: POST-EMERGENCY SAMPLING** Demonstrate the use of equipment and procedures for collection and transportation of samples from areas that received deposition from the airborne plume.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 25: LABORATORY OPERATIONS** Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 26: INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING** Demonstrate the capability to project dose to the public for ingestion exposure pathway and recommend protective actions.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 27: INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION** Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 28: RELOCATION, RE-ENTRY, AND RETURN - DECISION MAKING** Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 29: RELOCATION, RE-ENTRY, AND RETURN - IMPLEMENTATION** Demonstrate the capability to implement appropriate measures for relocation, re-entry and return.

Objective Selected: No – Last Demonstrated September 1996

**OBJECTIVE 30: CONTINUOUS 24-HOUR STAFFING** Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change.

Objective Selected: No – Last Demonstrated June 1998

**2000 PERRY EVALUATED EXERCISE  
1.2 STATE OF OHIO OBJECTIVES**

**OBJECTIVE 31: OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL** Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

Objective Selected: No - This is a county function.

**OBJECTIVE 32: UNANNOUNCED EXERCISE OR DRILL** Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

Objective Selected: No – Last Demonstrated June 1998

**OBJECTIVE 33: OFF-HOURS EXERCISE OR DRILL** Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

Objective Selected: No – Last Demonstrated June 1998

# **Ashtabula County, Ohio**

## **Radiological Emergency Preparedness Exercise Objectives**

**Perry Nuclear Power Plant  
Evaluated Exercise  
March 2000**

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**For the March 2000 Evaluated Exercise**

Preparation Date: December 14, 1999

**Group A Objectives, numbered 1-13. These are core objectives that should be demonstrated in every biennial exercise by all Offsite Response Organizations (OROs) that have responsibility for them.**

**Objective 1. MOBILIZATION OF EMERGENCY PERSONNEL**

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

Objective selected: Yes

Offsite Response Organizations:

Ashtabula County Emergency Management Agency and Emergency Operations Center (EOC) Staff

Field Activity Participants:

American Red Cross  
Amateur Radio  
Conneaut Fire Department  
Conneaut Police Department  
Ohio State Highway Patrol  
Geneva-on-the-Lake Fire Department

Extent of Play:

Ashtabula County EOC Staff will mobilize upon notification from the Ashtabula County Sheriff's Dispatch Center and EMA Staff. Full field notifications utilizing primary means of communications will be completed one time at the Site Area Emergency classification. All subsequent notifications will be simulated. All field agency demonstrations will be conducted out-of-sequence and participants will be pre-positioned.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 2. FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT**

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

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County Emergency Operations Center (EOC)

Extent of Play:

The Ashtabula County Emergency Operations Center (EOC) will demonstrate this objective. The Emergency Management Agency Director or designee at the EOC will show back-up power via a walk-down.

**Objective 3. DIRECTION AND CONTROL**

Demonstrate the capability to direct and control emergency operations.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC  
American Red Cross  
Conneaut Fire Department  
Conneaut Police Department  
Ohio State Highway Patrol  
Geneva-on-the-Lake Fire Department

Extent of Play:

Direction and control of emergency operations will be demonstrated in accordance with the exercise scenario, the Ashtabula County Radiological Emergency Response Plan and as appropriate per out-of-sequence field demonstrations.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 4. COMMUNICATIONS**

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC  
Ashtabula County Sheriff's Department  
American Red Cross  
Amateur Radio  
Conneaut Fire Department  
Conneaut Police Department  
Ohio State Highway Patrol  
Geneva-on-the-Lake Fire Department

Extent of Play:

Primary (telephone) and secondary (radio/pagers) means of communications will be demonstrated at the EOC and as appropriate per out-of-sequence field demonstrations. Full notification of field agencies from the EOC will be conducted at the Site Area Emergency classification only. Exercise Controllers will drive out-of-sequence field play.

**Objective 5. EMERGENCY WORKER EXPOSURE CONTROL**

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Staff  
Conneaut Fire Department  
Conneaut Police Department  
Ohio State Highway Patrol  
Geneva-on-the-Lake Fire Department

Extent of Play:

The Ashtabula County EOC Radiological Officer will demonstrate radiation exposure control capabilities and issue dosimetry to the Public Information Officer. Dosimetry and exposure control procedures will be demonstrated by the above agencies during out-of-sequence exercise activities.



2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES

**Objective 6. FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING**

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

Objective Selected: N/A

**Objective 7. DOSE PROJECTION**

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

Objective Selected: N/A

**Objective 8. FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING**

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (.0000001) micro-curies per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Objective Selected: N/A

**Objective 9. PLUME PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to make timely and appropriate protective action decisions.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Executive Group

Extent of Play:

Ashtabula County EOC Executive Group will demonstrate this objective in coordination with Lake and Geauga counties' Executive Groups and the State of Ohio.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 10. ALERT AND NOTIFICATION**

Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway Emergency Planning Zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Staff  
Geneva-on-the-Lake Fire Department

Extent of Play:

Upon a protective action decision (PAD) by the combined Executive Groups of Ashtabula, Geauga, and Lake counties (start of the 15-minute clock), the Lake County EOC staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the sirens and sending the message over the EAS system. Lake County EOC will demonstrate a silent siren test in lieu of an actual siren sounding. A representative of the #1 Local Primary Station will be available for interview.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the #1 Local Primary Station, with the exception that the telephone number to the station will not be dialed. By not connecting WTAM, there will be no possibility of accidentally broadcasting the message over one or more of the participating EAS stations. The "send" button on the Lake County EAS encoder will be depressed, and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on this data sheet shall be used as the official end of the 15-minute clock.

Lake County will FAX a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances allow, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD message. In delivering information about the EAS message just released, the counties' PIOs may indicate that a corresponding Special News Bulletin (SNB) will be issued soon.

The Geneva-on-the-Lake Fire Department will demonstrate back-up route alerting as an out-of-sequence, pre-positioned field activity. One pre-determined siren located in Geneva-on-the-Lake Village (A-1) will be out-of-service (simulated) and back up route alerting will be conducted in the siren coverage area. Use of the mobile Public Address (PA) system will be simulated.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 11. PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION**

Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Staff

Extent of Play:

Based upon the combined Protective Action Decisions (PADs) of the Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC staff will prepare and issue the appropriate EAS message(s) (See Objective 10; Extent of Play) and the corresponding Special News Bulletin(s) (SNB). Special News Bulletins are the very same message as their corresponding EAS message except that the SNBs are longer due to greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the PIOs from Ashtabula, Geauga, or Lake counties will represent the three counties by proceeding to the briefing room and reading the content of the message to the assembly of news media representatives and answer their questions pertaining to the message. This briefing should commence no sooner than 15-minutes after transmission of the EAS message from Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Geauga and Lake Counties will also coordinate release of other informational and instructional messages as necessary. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOP for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant". These SIBs are considered routine, meaning that they are to be delivered by one or more of the counties' PIOs at the next scheduled press briefing.

Previous Area Requiring Corrective Action (ARCA): Yes, Issue No.: 47-98-A-11-03.

Description: Ashtabula County modified a pre-scripted Special News Bulletin to include townships out to 16-miles from the Perry Nuclear Power Plant, but failed to include Hartsgrove Township, which was included in the precautionary action decision.

Corrective Action: Ashtabula County EOC Staff will check all information for the public against the "County Protective Action Decisions" form to ensure accuracy.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 12.      EMERGENCY INFORMATION - MEDIA**

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County Public Information Officer (PIO) at the JPIC  
Ashtabula County PIO Liaison at the Ashtabula County EOC

Extent of Play:

The Ashtabula County Public Information Officer (PIO) will demonstrate this objective at the Joint Public Information Center (JPIC) in coordination with Lake and Geauga counties, the State of Ohio and the utility spokespersons. The JPIC is located at Lakeland Community College. Special News Bulletins (SNBs) will be issued by the Lake County EOC and presented to the news media by one of the counties' PIOs at the JPIC.

Previous ARCA: Yes, Issue No.: 47-98-A-12-04

Description: The Emergency Preparedness Information in the telephone directory was incomplete and did not include the required "educational information on radiation," and "protective measures, e.g., evacuation routes and relocation centers." Moreover, the Emergency Public Information brochure identified two congregate care centers (Braden Junior High School and Kent State University) on the list of centers, while the map of evacuation routes indicates, but does not name, the location of three other care centers (Rowe Middle School, Edgewood Senior High School, and Pymatuning Valley Middle School).

Corrective Action: Ashtabula County EMA has coordinated with the Perry Nuclear Power Plant, State of Ohio, and Lake and Geauga counties to ensure accurate and complete information is submitted to the public. Ashtabula County EMA has reviewed the Emergency Preparedness Information brochure and emergency information in local telephone directories prior to publication to ensure information is accurate and complete and in compliance with the provisions of NUREG-0654, G.1.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 13.        EMERGENCY INFORMATION - RUMOR CONTROL**

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Staff

Extent of Play:

Ashtabula County Rumor Control operations are conducted from the Ashtabula County EOC. Appropriate EOC staff will respond to calls from an exercise-controller operated control cell for one hour, receiving approximately six calls. Additional calls outside the one-hour time frame may also be received.

Ashtabula County Rumor Control staff will identify any trends, reporting them to the Executive Group. Appropriate announcements will be developed in response to identified County specific trends. The PIO Liaison will forward this information to the Ashtabula County PIO at the JPIC.

Radio and television monitoring capabilities will be shown but not utilized, as no actual emergency public information messages will be broadcast.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**GROUP B Objectives numbered 14-22. These objectives should be demonstrated in every biennial exercise by some organizations. OROs with responsibility for these objectives should demonstrate at least once every six years.**

**Objective 14. IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF KI FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC**

Demonstrate the capability to implement potassium iodide (KI) protective actions for emergency workers, institutionalized individuals, and if the State plan specifies the general public.

Objective Selected: Yes

Offsite Response Organizations:

Ashtabula County EOC Staff  
Conneaut Fire Department  
Ohio State Highway Patrol  
Geneva-on-the-Lake Fire Department

Extent of Play:

Ohio Department of Health (ODH) will make recommendations regarding the use of KI. Ashtabula County's preparedness measures for KI include pre-distribution to emergency response agencies. At the time of the emergency, the agencies distribute the KI and dosimetry to their individual emergency workers. If the ODH recommendation for use of KI excludes the Ashtabula County portion of the Emergency Planning Zone, demonstration of this objective may be facilitated by discussion with the Ashtabula County Radiological Officer at the EOC. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or, if necessary, by exercise controller inject.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 15.      IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS**

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

Objective Selected: Yes  
Offsite Response Organizations:

Ashtabula County EOC Staff

Extent of Play:

Notification to individuals with special needs within the Ashtabula County portion of the Emergency Planning Zone (EPZ) will be simulated. The Ashtabula County Emergency Management Agency maintains a list of special needs residents within the Ashtabula County portion of the EPZ. The Fire/EMS Officer and Human Services Officer at the EOC will coordinate special needs notification activities and upon request, will present the confidential list for review by the FEMA Evaluator.

**Objective 16.      IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS**

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway Emergency Planning Zone (EPZ).

Objective Selected: No

**Objective 17.      TRAFFIC AND ACCESS CONTROL**

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

Objective Selected: Yes  
Offsite Response Organizations:

Ohio State Highway Patrol

Extent of Play:

An Access Control Point (ACP) located at State Routes 90 and 534 will be demonstrated out-of-sequence, pre-positioned by the Ohio State Highway Patrol. Traffic and access control procedures will be simulated.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 18.      RECEPTION CENTER MONITORING, DECONTAMINATION, AND REGISTRATION**

Demonstrate the adequacy of procedures, facilities, equipment and personnel for the radiological monitoring, decontamination, and registration of evacuees.

Objective Selected: Yes  
Offsite Response Organizations:

Conneaut Fire Department  
American Red Cross

Extent of Play:

Conneaut Fire Department will demonstrate this objective out-of-sequence, pre-positioned at the Conneaut Rowe Middle School care center. The demonstration will be initiated by exercise controller inject. One locker room will be fully set-up and demonstrated. A walk-through of the remaining locker room will be conducted upon request. A representative from the American Red Cross will describe registration procedures. Six monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes a whole body monitoring using a CDV-700 survey meter retrofitted with a frisker probe. A controller will provide contamination levels. Decontamination will be simulated. Vehicle monitoring and decontamination procedures will be demonstrated by interview with representatives from the Conneaut Fire Department. No vehicle will be monitored or washed.

**Objective 19.      CONGREGATE CARE**

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Objective Selected: Yes  
Offsite Response Organizations:

American Red Cross

Extent of Play:

Congregate care capabilities will be demonstrated out-of-sequence, by interview with representatives from the local American Red Cross Chapter at Conneaut Rowe Middle School Care Center. The American Red Cross personnel will provide a walk-through of the facility with description of congregate care capabilities.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 20.            MEDICAL SERVICES - TRANSPORTATION**

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured, or exposed individuals.

Objective Selected: N/A

**Objective 21.            MEDICAL SERVICES - FACILITIES**

Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals.

Objective Selected: N/A

**Objective 22.            EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES -  
MONITORING AND DECONTAMINATION**

Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency worker, equipment, and vehicles.

Objective Selected: No

**Group C Objectives, numbered 23-33. These objectives should be demonstrated once every six years by each organization with responsibility for them.**

**Objective 23.            SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)**

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

Objective Selected: N/A

**Objective 24.            POST-EMERGENCY SAMPLING**

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

Objective Selected: N/A

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 25.      LABORATORY OPERATIONS**

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Objective Selected: N/A

**Objective 26.      INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND  
PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

Objective Selected: N/A

**Objective 27.      INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION  
IMPLEMENTATION**

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

Objective Selected: N/A

**Objective 28.      RELOCATION, RE-ENTRY AND RETURN - DECISION MAKING**

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Objective Selected: No

**Objective 29.      RELOCATION, RE-ENTRY AND RETURN - IMPLEMENTATION**

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

Objective Selected: No

**2000 PERRY PLANT EVALUATED EXERCISE  
1.3 ASHTABULA COUNTY OBJECTIVES**

**Objective 30.      CONTINUOUS, 24-HOUR STAFFING**

Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change.

Objective Selected: No

**Objective 31.      OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL**

Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

Objective Selected: N/A

**Objective 32.      UNANNOUNCED EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

Objective Selected: No

**Objective 33.      OFF-HOURS EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

Objective Selected: No

**Lake County, Ohio**

**Radiological Emergency Preparedness  
Exercise Objectives**

**Perry Nuclear Power Plant  
Evaluated Exercise  
March 2000**

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**OFF-SITE EXERCISE OBJECTIVES**

March 2000 Evaluated Exercise

Reference: FEMA Repts 14 and 15, September 1991

ORO Lake County

Preparation Date: 12-09-99

**Group A Objectives, numbered 1-13. These are core objectives that should be demonstrated in every biennial exercise by all Offsite Response Organizations (OROs) that have responsibility for them.**

**Objective 1. MOBILIZATION OF EMERGENCY PERSONNEL**

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

**Objective selected:** Yes

**Offsite Response Organizations:**

Lake County Emergency Management Agency (EMA) and Lake County Emergency Operation Center (EOC) Staff

**Field Activity Participants:**

American Red Cross  
Kirtland City Fire Department  
Leroy Twp. Fire Department  
Perry Twp. Fire Department  
Mentor City Fire Department

Painesville City School District  
Painesville Twp. School District  
Lake County Sheriff's Department  
Lake East Hospital  
Lake County Field Monitoring Teams

**Extent of Play:**

Lake County EOC Staff will mobilize upon notification from the Lake County Sheriff's Department Central Communication Center.

Full field notification utilizing primary means of communication will be completed one time, at Site Area Emergency only. All subsequent notifications will be simulated.

Field agencies involved in exercise play will demonstrate out-of-sequence and pre-positioned with three exceptions; Lake County Field Monitoring Team, Perry Township Fire Department, and Lake East Hospital will be mobilized.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 2. FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT**

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

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County Emergency Operation Center

**Extent of Play:**

The Lake County Emergency Operations Center (EOC) will demonstrate this objective. Activation of back-up power and uninterrupted power supply (UPS) will be demonstrated..

**Objective 3. DIRECTION AND CONTROL**

Demonstrate the capability to direct and control emergency operations.

**Objectives Selected:** Yes

**Offsite Response Organizations:**

Lake County Emergency Operations Center

**Field Activity Participants:**

American Red Cross  
Kirtland City Fire Department  
Leroy Twp. Fire Department  
Mentor City Fire Department  
Perry Twp. Fire Department

Painesville Twp. School District  
Lake County Sheriff's Department  
Lake East Hospital  
Lake County Field Monitoring Teams

Painesville City School District

**Extent of Play:**

This objective will be demonstrated according to the exercise scenario, the County RERP and, as appropriate, per out-of-sequence field demonstrations.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 4. COMMUNICATIONS**

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County Emergency Management Agency  
Lake County Emergency Operations Center

**Field Activity Participants:**

American Red Cross	Painesville City School District
Kirtland City Fire Department	Painesville Twp. School District
Leroy Twp. Fire Department	Lake County Sheriff's Department
Perry Twp. Fire Department	Lake East Hospital
Mentor City Fire Department	Lake County Field Monitoring Team

**Extent of Play:**

Primary (telephone) and secondary (radio/pagers) means of communications will be demonstrated at the EOC and as appropriate per out-of-sequence field demonstrations.

Controllers will drive out-of-sequence field play.

Full notification from the EOC at Site Area Emergency only.

The American Red Cross will discuss back-up communication capabilities at the Kirtland High School Care Center.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 5. EMERGENCY WORKER EXPOSURE CONTROL**

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County EOC Staff (as applicable)	Mentor City Fire Department
Kirtland City Fire Department	Painesville City School District Transportation Dept.
Leroy Twp. Fire Department	Painesville Twp. School District Transportation Dept.
Perry Twp. Fire Department	Lake County Sheriff's Department
	Lake East Hospital
	Lake County Field Monitoring Team

**Extent of Play:**

The Lake County EOC Radiological Officer will demonstrate radiation exposure control capabilities.

Dosimetry and exposure control procedures will be demonstrated by the above field agencies during out-of-sequence field activities.

**Previous Area Requiring Corrective Action (ARCA):** Yes, Issue No.: 47-98-05-A-01

**Description** The Lake County Radiological Officer did not instruct the EOF Liaison to report to an Emergency Worker Monitoring and Decontamination Station after completion of his assignment as called for in the Personnel Dosimetry Instructions. Because of the close proximity of the EOF to the Perry Nuclear Power Plant, the EOF Liaison's vehicle would have likely been radiologically contaminated. (NUREG-0654;K.3,K.5)

**Recommendation:** The Lake County Radiological Officer will expressly refer to the Personnel Dosimetry Instructions in the Dosimetry briefing and cover each of the 13 items on the checklist in this briefing.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 6. FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING**

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

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County Field Monitoring Teams

**Extent of Play:**

Lake County Health District will demonstrate the use of two Field Monitoring Teams (FMTs), in sequence.

Prior to the exercise, a FEMA evaluator will review contents of the FMT vehicles; an equipment inventory list will be provided to the evaluator to verify availability of supplies and equipment. At the conclusion of the equipment review, all seals will be replaced in order to indicate that all required supplies and equipment are contained within.

**Objective 7. PLUME DOSE PROJECTION**

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

**Objective Selected:** N/A

**Offsite Response Organizations:**

**Extent of Play:**

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 8. FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE  
AND PARTICULATE ACTIVITY MONITORING**

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (.0000001) micro-curies per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County Health District Field Monitoring Teams (FMTs)

**Extent of Play:**

For the exercise, expired silver zeolite cartridges will be used; new cartridges will be available for the FEMA evaluator's observation.

**Objective 9. PLUME PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to make timely and appropriate protective action decisions.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County EOC Executive Group

**Extent of Play:**

This will be demonstrated by the Lake County EOC Executive Group in coordination with Ashtabula and Geauga counties' Executive Groups and the State of Ohio.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 10. ALERT AND NOTIFICATION**

Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway Emergency Planning Zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County EOC Staff  
Leroy Twp. Fire Department

**Extent of Play:**

Upon a protective action decision(s) (PAD) by the combined Executive Groups of Ashtabula, Geauga, and Lake counties (start of the 15 minute clock), the Lake County EOC staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the siren and sending the message over the EAS system. A silent siren test will be demonstrated in lieu of an actual siren sounding. A representative of the #1 Local Primary Station will be available for interview by an evaluator.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the #1 Local Primary Station, with the exception that the telephone number to the station will not be dialed. By not connecting WTAM, there will be no possibility of accidentally broadcasting the message over one or more of the participating EAS stations. The "send" button on the Lake County EAS encoder will be depressed, and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on this data sheet shall be used as the official end of the 15-minute clock.

Lake County will FAX a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances allow, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD and message. In delivering information about the EAS message just released, the counties' PIO's may indicate that a corresponding Special News Bulletin (SNB) will be issued soon.

One predetermined siren located in Leroy Township (L-22) will not sound (simulated) and back-up route alerting will be demonstrated. Back-up Route Alerting will be

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

demonstrated out-of-sequence and pre-positioned; the mobile PA system will not be used. Agency demonstration will be initiated by exercise controller.

Notifications to individuals with special needs will be simulated by the Human Services Coordinator in the EOC in accordance with their SOP. A special needs list is maintained by the Lake County Human Services Department. The Human Services Coordinator will present the confidential list for review by the FEMA evaluator, upon request.

**Objective 11. PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION**

Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County EOC staff

**Extent of Play:**

Based upon the combined PAD(s) of the Executive Groups of Ashtabula, Geauga, and Lake counties, the Lake County EOC staff will prepare and issue the appropriate EAS message(s) (See Objective 10; Extent of Play) and the corresponding Special News Bulletin(s) (SNB). SNBs are the very same message as their corresponding EAS messages except that the SNBs are longer due to greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the PIOs from Ashtabula, Geauga, or Lake County will represent the three counties by proceeding to the briefing room and reading the content of the message to the assembly of news media representatives and answer their questions pertaining to the message. This briefing should commence no sooner than 15 minutes after transmission of the EAS message from the Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Geauga, and Lake counties will also coordinate release of other informational and instructional messages as they deem appropriate. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOP for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant." These SIBs are considered routine, meaning that they are to be delivered by one or more of the counties' PIO's at the next scheduled press briefing.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 12. EMERGENCY INFORMATION - MEDIA**

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County Public Information Officer (PIO) at the JPIC  
Lake County PIO Liaison at the EOC

**Extent of Play:**

The Lake County Public Information Officer (PIO) will demonstrate this objective at the Joint Public Information Center (JPIC) in coordination with Geauga and Ashtabula counties' PIOs, the State of Ohio and the utility spokespersons. The JPIC is located at Lakeland Community College.

Special News Bulletins (SNBs) will be issued by the Lake County EOC and presented to the news media by one of the counties' PIOs at the JPIC.

**Previous Area Requiring Corrective Action (ARCA):** Yes, Issue No.: 47-98-A-12-02

**Description:** Press release 5 issued by Lake County incorrectly included on a list of "Care Centers Currently Open" two schools not designated in the Ashtabula County Emergency Management Plan as congregate care centers.

**Corrective Action:** Lake County EOC Staff will check all information for the public against the "County Protective Action Decisions" form to ensure accuracy.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 13. EMERGENCY INFORMATION - RUMOR CONTROL**

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

**Objective Selected:** Yes

**Offsite Response Organizations:**

Lake County EOC Staff

**Extent of Play:**

Lake County Rumor Control operations are conducted from the Lake County EOC. Appropriate EOC staff will respond to telephone calls from an exercise controller-operated control cell for one hour; fielding approximately six calls. Additional calls outside the one-hour time frame may also be received. Rumor Control Staff will identify any trends and report them to the Executive Group. Appropriate announcements will be developed in response to identified County specific trends. The PIO Liaison will forward this information to the PIO at the JPIC.

Radio and television monitoring capability will be shown but not utilized, as no actual messages will be broadcast.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**GROUP B Objectives, numbered 14-22. These objectives should be demonstrated in every biennial exercise by some organizations. OROs with responsibility for these objectives should demonstrate at least once every six years.**

**Objective 14. IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF KI FOR EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND THE GENERAL PUBLIC**

Demonstrate the capability to implement potassium iodide (KI) protective actions for emergency workers, institutionalized individuals, and if the State plan specifies, the general public.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County EOC Staff (as applicable)  
Kirtland City Fire Department  
Leroy Twp. Fire Department  
Perry Twp. Fire Department  
Mentor City Fire Department  
Painesville City School District Transportation Department  
Painesville Twp. School District Transportation Department  
Lake County Sheriff's Department  
Lake East Hospital  
Lake County Field Monitoring Teams

**Extent of Play:**

Ohio Department of Health (ODH) will make recommendations regarding the use of KI. The county's preparedness measures for KI include pre-distribution to field response agencies so appropriate agencies routinely have KI on hand. At the time of an emergency, the agencies distribute the KI and dosimetry to their individual workers. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or by exercise controller inject.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 15. IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS**

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County EOC Staff

**Extent of Play:**

Notification to individuals with special needs within the Lake County portion of the EPZ will be simulated. A special needs list is maintained by the Lake County Human Services Department. The Human Services Coordinator will present the confidential list for review by the FEMA evaluator, upon request.

**Objective 16. IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOL**

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway Emergency Planning Zone (EPZ).

**Objective Selected:** Yes

**Offsite Response Organization:**

Painesville City School District  
Painesville Twp. School District

**Extent of Play:**

The school districts will demonstrate this objective out-of-sequence, by interview with the superintendent, high school principal, transportation department; to include a bus operator. The use of dosimetry and KI will be discussed with transportation personnel only.

No movement of students or vehicles will occur.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 17. TRAFFIC AND ACCESS CONTROL**

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

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake County Sheriff's Department

**Extent of Play:**

One pre-positioned Traffic Control Point (TCP) will be demonstrated with the Lake County Sheriff's Department at Rt.20 and Fairgrounds Road.

TCP will be demonstrated out-of-sequence.

No actual controlling of traffic will be demonstrated.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 18. RECEPTION CENTER MONITORING, DECONTAMINATION, AND  
REGISTRATION**

Demonstrate the adequacy of procedures, facilities, equipment and personnel for the radiological monitoring, decontamination, and registration of evacuees.

**Objective Selected:** Yes

**Offsite Response Organization:**

American Red Cross  
Kirtland City Fire Department

**Extent of Play:**

Kirtland City Fire Department will demonstrate this objective out-of-sequence and pre-positioned at the Kirtland High School Care Center. The demonstration will be initiated by exercise controller inject. One locker room will be fully set up; a walk-through of the second locker room will be conducted, if requested. A representative from the American Red Cross will describe registration procedures.

Six monitoring demonstrations will be conducted using portable portal monitoring equipment. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes whole body monitoring using a CDV-700 survey meter, retrofitted with a frisker probe. Contamination levels will be provided by a controller. Decontamination will be simulated.

Vehicle monitoring and decontamination procedures will be demonstrated by interview with representatives from the Kirtland City Fire Department. No vehicle will be monitored or washed.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 19. CONGREGATE CARE**

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

**Objective Selected:** Yes

**Offsite Response Organization:**

American Red Cross

**Extent of Play:**

Congregate care capabilities will be demonstrated out-of-sequence by interview with an American Red Cross representative at the Kirtland High School Care Center. American Red Cross personnel will provide a walk-through of the facility with description of congregate care capabilities. No set-up of care center equipment or supplies will be demonstrated.

**Objective 20. MEDICAL SERVICES - TRANSPORTATION**

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured, or exposed individuals.

**Objective Selected:** Yes

**Offsite Response Organization:**

Perry Twp. Fire Department

**Extent of Play:**

Will be demonstrated by the Perry Twp. Fire Department in-sequence with the on-site scenario. A simulated contaminated/injured victim from the Perry Power Plant will be transported to Lake East Hospital. No emergency lights and/or sirens will be used.

Dosimetry and survey instruments owned by the Perry Fire Department may be used in addition to that issued by the State of Ohio and the Utility.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 21. MEDICAL SERVICES - FACILITIES**

Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals.

**Objective Selected:** Yes

**Offsite Response Organization:**

Lake East Hospital

**Extent of Play:**

Hospital owned dosimetry may be used in addition to that issued by the State of Ohio.

Simulated radiation levels will be provided by a controller using a body map specifying contamination and post-decontamination levels.

**Objective 22. EMERGENCY WORKERS, EQUIPMENT , AND VEHICLES -  
MONITORING AND DECONTAMINATION**

Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency worker, equipment, and vehicles.

**Objective Selected:** Yes

**Offsite Response Organization:**

Mentor City Fire Department

**Extent of Play:**

Mentor Fire Department will demonstrate this objective out-of-sequence, pre-positioned at the Mentor High School Football Stadium. One locker room will be fully set-up. A walk-through of the second locker room will be conducted, if requested. Brown craft paper will be used as a floor covering.

Two monitoring demonstrations will be conducted using portal monitoring equipment. Individuals with simulated contamination will then be monitored using the CDV-700 survey meter, retrofitted with a frisker pancake probe to determine the exact location of contamination and radiation levels. Decontamination of emergency workers will be simulated.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

Vehicle monitoring and decontamination procedures will be demonstrated by interview; no vehicle will be monitored or washed.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Group C Objectives, numbered 23-33. These objectives should be demonstrated once every six years by each organization with responsibility for them.**

**Objective 23. SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)**

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

**Objective Selected:** N/A

**Offsite Response Organization:**

**Extent of Play:**

**Objective 24. POST-EMERGENCY SAMPLING**

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

**Objective Selected:** N/A

**Offsite Response Organization:**

**Extent of Play:**

**Objective 25. LABORATORY OPERATIONS**

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

**Objective Selected:** N/A

**Offsite Response Organization:**

**Extent of Play:**

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 26. INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

**Objective Selected:** N/A

**Offsite Response Organization:**

**Extent of Play:**

**Objective 27. INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION**

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

**Objective Selected:** N/A

**Offsite Response Organization:**

**Extent of Play:**

**Objective 28. RELOCATION, RE-ENTRY AND RETURN - DECISION MAKING**

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**

**Objective 29. RELOCATION, RE-ENTRY AND RETURN - IMPLEMENTATION**

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**

**2000 PERRY PLANT EVALUATED EXERCISE  
1.4 LAKE COUNTY OBJECTIVES**

**Objective 30. CONTINUOUS, 24-HOUR STAFFING**

Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**

**Objective 31. OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL**

Demonstrate the capability to provide off-site support for the evacuation of on-site personnel.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**

**Objective 32. UNANNOUNCED EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**

**Objective 33. OFF-HOURS EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

**Objective Selected:** No

**Offsite Response Organization:**

**Extent of Play:**



**GEAUGA COUNTY**  
**OHIO**

***Objectives***

***For the  
Perry Nuclear Power Plant  
Evaluated Exercise***

***March 2000***

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**GEAUGA COUNTY  
EXERCISE OBJECTIVES  
For the March 2000 Evaluated Exercise**

Preparation Date: November 12, 1999

**Group A Objectives, numbered 1-13. These are core objectives that should be demonstrated in every biennial exercise by all Offsite Response Organizations (OROs) that have responsibility for them.**

**Objective 1. MOBILIZATION OF EMERGENCY PERSONNEL**

Demonstrate the capability to alert and fully mobilize personnel for both emergency facilities and field operations. Demonstrate the capability to activate and staff emergency facilities for emergency operations.

Objective selected: Yes

Offsite Response Organizations:

Geauga County Department of Emergency Services (DES) and Emergency Operations Center (EOC) Staff

Field Activity Participants:

Middlefield Volunteer Fire Department  
Ledgemont School District  
Geauga County Sheriff's Office  
Middlefield Police Department  
American Red Cross

Extent of Play:

Geauga County EOC Staff will mobilize upon notification from the Geauga County Sheriff's Dispatch Center.

Full field notification utilizing primary means of communication will be completed one only, at Site Area Emergency. All other notifications will be simulated.

All field agency demonstrations will be conducted out-of-sequence and participants will be pre-positioned.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 2. FACILITIES - EQUIPMENT, DISPLAYS, AND WORK ENVIRONMENT**

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

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC

Extent of Play:

The Geauga County Emergency Operations Center (EOC) will demonstrate this objective. Back-up power will be shown via a walk-down by the Emergency Services Director or designee at the EOC.

**Objective 3. DIRECTION AND CONTROL**

Demonstrate the capability to direct and control emergency operations.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff  
Middlefield Volunteer Fire Department  
Ledgemont School District  
Geauga County Sheriff's Office  
American Red Cross  
Middlefield Police Department

Extent of Play:

Direction and control of emergency operations will be demonstrated in accordance with the exercise scenario, the Geauga County Radiological Emergency Response Plan and as appropriate per out-of-sequence field demonstrations.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 4. COMMUNICATIONS**

Demonstrate the capability to communicate with all appropriate emergency personnel at facilities and in the field.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff  
Middlefield Volunteer Fire Department  
Geauga County Sheriff's Office  
Geauga Amateur Radio Association

Extent of Play:

Primary (telephone) and secondary (radio/pagers) means of communications will be demonstrated at the EOC and as appropriate per out-of-sequence field demonstrations.

Full notification from the EOC to field agencies will be conducted at Site Area Emergency only.

Controllers will drive out-of-sequence field play.

**Objective 5. EMERGENCY WORKER EXPOSURE CONTROL**

Demonstrate the capability to continuously monitor and control radiation exposure to emergency workers.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff  
Middlefield Volunteer Fire Department  
Ledgemont School District – Transportation Department  
Geauga County Sheriff's Office  
Middlefield Police Department

Extent of Play:

The Geauga County EOC Radiological Officer will demonstrate radiation exposure control capabilities and issue dosimetry to the Public Information Officer. Dosimetry and exposure control procedures will be demonstrated by the above agencies during out-of-sequence exercise activities.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 6. FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING**

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

Objective Selected: N/A

**Objective 7. DOSE PROJECTION**

Demonstrate the capability to develop dose projections and protective action recommendations regarding evacuation and sheltering.

Objective Selected: N/A

**Objective 8. FIELD RADIOLOGICAL MONITORING - AIRBORNE RADIOIODINE AND PARTICULATE ACTIVITY MONITORING**

Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as  $10^{-7}$  (.0000001) micro-curies per cubic centimeter in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Objective Selected: N/A

**Objective 9. PLUME PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to make timely and appropriate protective action decisions.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Executive Group

Extent of Play:

Geauga County EOC Executive Group will demonstrate this objective in coordination with Lake and Ashtabula counties' Executive Groups and the State of Ohio.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 10. ALERT AND NOTIFICATION**

Demonstrate the capability to promptly alert and notify the public within the 10-mile plume pathway Emergency Planning Zone (EPZ) and disseminate instructional messages to the public on the basis of decisions by appropriate State or local officials.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff

Extent of Play:

Upon a protective action decision (PAD) by the combined Executive Groups of Ashtabula, Geauga, and Lake counties (start of the 15-minute clock), the Lake County EOC staff will prepare the appropriate Emergency Alert System (EAS) message and simulate sounding the sirens and sending the message over the EAS system. A silent siren test will be demonstrated by Lake County EOC in lieu of an actual siren sounding. A representative of the #1 Local Primary Station will be available for interview by an evaluator.

Simulation of sending the EAS message(s) will be conducted as follows:

The procedure for the EAS encoder will be followed to deliver the message to WTAM, the #1 Local Primary Station, with the exception that the telephone number to the station will not be dialed. By not connecting to WTAM, there will be no possibility of accidentally broadcasting the message over one or more of the participating EAS stations. The "send" button on the Lake County EAS encoder will be depressed, and this action will activate the outgoing alert light and playback of the recorded message. Also, a data sheet will automatically be printed by the encoder and the time recorded on this data sheet shall be used as the official end of the 15-minute clock.

Lake County will FAX a copy of the EAS message(s) to the Joint Public Information Center (JPIC) where Public Information Officers (PIOs) may distribute hard copies to the news media representatives and may, if time and circumstances allow, make an announcement regarding the message. Otherwise, the EAS message can be announced at the next scheduled press briefing or in response to news media inquiries about the PAD message. In delivering information about the EAS message just released, the counties' PIOs may indicate that a corresponding Special News Bulletin (SNB) will be issued soon.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 11. PUBLIC INSTRUCTIONS AND EMERGENCY INFORMATION**

Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff

Extent of Play:

Based upon the combined PAD(s) of the Executive Groups of Ashtabula, Geauga and Lake counties, the Lake County EOC staff will prepare and issue the appropriate EAS message(s) (See Objective 10; Extent of Play) and the corresponding Special News Bulletin(s) (SNB). SNB's are the very same message as their corresponding EAS messages except that the SNBs are longer due to greater detail. Lake County will FAX the SNB(s) to the Joint Public Information Center (JPIC) where one of the PIOs from Ashtabula, Geauga, or Lake counties will represent the three counties by proceeding to the briefing room and reading the content of the message to the assembly of news media representatives and answer their questions pertaining to the message. This briefing should commence no sooner than 15 minutes after transmission of the EAS message from Lake County EOC to the Local Primary EAS Station. Hard copies of the SNB(s) will be distributed to the news media representatives.

Ashtabula, Geauga and Lake counties will also coordinate release of other informational and instructional messages as necessary. Such messages may include Special Information Bulletins (SIB), which are a third category of prepared messages contained in the counties' "SOP for EAS Messages, Special News Bulletins, and Special Information Bulletins pertaining to the Perry Nuclear Power Plant." These SIBs are considered routine, meaning that they are to be delivered by one or more of the counties' PIOs at the next scheduled press briefing.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEauga COUNTY OBJECTIVES**

**Objective 12. EMERGENCY INFORMATION - MEDIA**

Demonstrate the capability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County PIO at the JPIC  
Geauga County PIO Liaison at the Geauga County EOC

Extent of Play:

The Geauga County Public Information Officer (PIO) will demonstrate this objective at the Joint Public Information Center (JPIC) in coordination with Lake and Ashtabula counties PIOs, the State of Ohio and the utility spokespersons. The JPIC is located at Lakeland Community College. Special News Bulletins (SNBs) will be issued by the Lake County EOC and presented to the news media by one of the counties' PIOs at the JPIC.

**Objective 13. EMERGENCY INFORMATION - RUMOR CONTROL**

Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff

Extent of Play:

Geauga County Rumor Control operations are conducted from the Geauga County EOC. Appropriate EOC staff will respond to calls from an exercise-controller operated control cell for one hour, receiving approximately six calls. Additional calls outside the one-hour time frame may also be received.

Geauga County Rumor Control staff will identify any trends and report them to the Executive Group. Appropriate announcements will be developed in response to identified County specific trends. The PIO Liaison will forward this information to the County PIO at the JPIC.

Radio and television monitoring capabilities will be shown but not utilized as no actual emergency public information messages will be broadcast.



**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**GROUP B Objectives, numbered 14-22. These objectives should be demonstrated in every biennial exercise by some organizations. OROs with responsibility for these objectives should demonstrate at least once every six years.**

**Objective 14. IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF KI FOR  
EMERGENCY WORKERS, INSTITUTIONALIZED INDIVIDUALS, AND  
THE GENERAL PUBLIC**

Demonstrate the capability to implement potassium iodide (KI) protective actions for emergency workers, institutionalized individuals, and if the State plan specifies, the general public.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff – Radiological Officer  
Middlefield Volunteer Fire Department  
Geauga County Sheriff's Office  
Ledgemont School District

Extent of Play:

Ohio Department of Health (ODH) will make recommendations regarding the use of KI. Geauga County's preparedness measures for KI include pre-distribution to emergency response agencies. At the time of the emergency, the agencies distribute the KI and dosimetry to their individual emergency workers. If the ODH recommendation for use of KI excludes the Geauga County portion of the Emergency Planning Zone (EPZ), demonstration of this objective may be facilitated by discussion with the Geauga County Radiological Officer at the EOC. For field agency demonstrations, KI procedures will be demonstrated by interview with exercise participants or, if necessary, by exercise controller inject.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 15. IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATIONS**

Demonstrate the capability and resources necessary to implement appropriate protective actions for special populations.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County EOC Staff

Extent of Play:

Notification to individuals with special needs within the Geauga County portion of the Emergency Planning Zone (EPZ) will be simulated. A list of special needs residents within the Geauga County portion of the EPZ is maintained by the Geauga County Department of Emergency Services (DES). The Fire/EMS Officer at the EOC will coordinate special needs notification activities and upon request will present the confidential list for review by the FEMA Evaluator.

**Objective 16. IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS**

Demonstrate the capability and resources necessary to implement protective actions for school children within the plume pathway Emergency Planning Zone (EPZ).

Objective Selected: Yes

Offsite Response Organizations:

Ledgemont School District

Extent of Play:

Ledgemont School District will demonstrate this objective out-of-sequence, by interview with the superintendent, high school principal, transportation supervisor/bus driver. The use of dosimetry and KI will be discussed with transportation personnel only.

No movement of students or vehicles will occur.

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 17. TRAFFIC AND ACCESS CONTROL**

Demonstrate the organizational capability and resources necessary to control evacuation traffic flow and to control access to evacuated areas.

Objective Selected: Yes

Offsite Response Organizations:

Geauga County Sheriff's Office

Extent of Play:

A Traffic Control Point (TCP) located at State Route 608 and U.S. Route 6 will be demonstrated out-of-sequence, pre-positioned by the Geauga County Sheriff's Office. Traffic control procedures will be simulated.

**Objective 18. RECEPTION CENTER MONITORING, DECONTAMINATION, AND REGISTRATION**

Demonstrate the adequacy of procedures, facilities, equipment and personnel for the radiological monitoring, decontamination, and registration of evacuees.

Objective Selected: Yes

Offsite Response Organizations:

Middlefield Volunteer Fire Department  
American Red Cross

Extent of Play:

Middlefield Volunteer Fire Department will demonstrate this objective out-of-sequence at Cardinal High School, 14785 Thompson Avenue, Middlefield Village. One locker room will be fully set-up and demonstrated. A walk-through of the remaining locker room will be conducted upon request. An American Red Cross representative will describe registration procedures.

Six (6) monitoring demonstrations will be conducted using a portal monitor. One individual with simulated contamination will be walked through the monitoring/decontamination process, which includes whole body monitoring using a CDV-700 survey meter, retrofitted with a frisker probe. Contamination levels will be provided by a controller. Decontamination will be simulated.

Vehicle monitoring and decontamination procedures will be demonstrated by interview with representatives from the Middlefield Volunteer Fire Department. No vehicle will be monitored or washed

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 19. CONGREGATE CARE**

Demonstrate the adequacy of facilities, equipment, supplies, personnel, and procedures for congregate care of evacuees.

Objective Selected: Yes

Offsite Response Organizations:

American Red Cross

Extent of Play:

Congregate care capabilities will be demonstrated out-of-sequence at the Cardinal High School Care Center, by interview with representatives from the local American Red Cross Chapter. The American Red Cross personnel will provide a walk-through of the facility with description of congregate care capabilities. No set-up of care center equipment or supplies will be demonstrated.

**Objective 20. MEDICAL SERVICES - TRANSPORTATION**

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured, or exposed individuals.

Objective Selected: N/A

**Objective 21. MEDICAL SERVICES - FACILITIES**

Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals.

Objective Selected: N/A

**Objective 22. EMERGENCY WORKERS, EQUIPMENT, AND VEHICLES -  
MONITORING AND DECONTAMINATION**

Demonstrate the adequacy of procedures for the monitoring and decontamination of emergency worker, equipment, and vehicles.

Objective Selected: No

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Group C Objectives, numbered 23-33. These objectives should be demonstrated once every six years by each organization with responsibility for them.**

**Objective 23. SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)**

Demonstrate the capability to identify the need for external assistance and to request such assistance from Federal or other support organizations.

Objective Selected: N/A

**Objective 24. POST-EMERGENCY SAMPLING**

Demonstrate the use of equipment and procedures for the collection and transportation of samples from areas that received deposition from the airborne plume.

Objective Selected: N/A

**Objective 25. LABORATORY OPERATIONS**

Demonstrate laboratory operations and procedures for measuring and analyzing samples.

Objective Selected: N/A

**Objective 26. INGESTION EXPOSURE PATHWAY - DOSE PROJECTION AND PROTECTIVE ACTION DECISION MAKING**

Demonstrate the capability to project dose to the public for the ingestion exposure pathway and to recommend protective actions.

Objective Selected: N/A

**Objective 27. INGESTION EXPOSURE PATHWAY - PROTECTIVE ACTION IMPLEMENTATION**

Demonstrate the capability to implement protective actions for the ingestion exposure pathway.

Objective Selected: N/A

**2000 PERRY PLANT EVALUATED EXERCISE  
1.5 GEAUGA COUNTY OBJECTIVES**

**Objective 28. RELOCATION, RE-ENTRY AND RETURN - DECISION MAKING**

Demonstrate the capability to develop decisions on relocation, re-entry, and return.

Objective Selected: No

**Objective 29. RELOCATION, RE-ENTRY AND RETURN - IMPLEMENTATION**

Demonstrate the capability to implement appropriate measures for relocation, re-entry, and return.

Objective Selected: No

**Objective 30. CONTINUOUS, 24-HOUR STAFFING**

Demonstrate the capability to maintain staffing on a continuous, 24-hour basis through an actual shift change.

Objective Selected: No

**Objective 31. OFFSITE SUPPORT FOR THE EVACUATION OF ONSITE PERSONNEL**

Demonstrate the capability to provide offsite support for the evacuation of onsite personnel.

Objective Selected: N/A

**Objective 32. UNANNOUNCED EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions in an unannounced exercise or drill.

Objective Selected: No

**Objective 33. OFF-HOURS EXERCISE OR DRILL**

Demonstrate the capability to carry out emergency response functions during an off-hours exercise or drill.

Objective Selected: No

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**SECTION 2.0**

**EXERCISE INFORMATION This section contains:**

Section 2.1 - Off-site Action Locations

Section 2.2 - Onsite Exercise Organization

Section 2.3 - Onsite Emergency Response Facilities

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

This document lists participating agencies, dates, times, locations with directions, and contact names and telephone numbers for respective demonstrations. Exercise controller and evaluator assignments are also identified.

**STATE OF OHIO**

<b><u>Demonstrating Agency/ Location</u></b>	<b><u>Date/ Time</u></b>	<b><u>Exercise Controller/ [Exercise Evaluator]</u></b>
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<b>Initial Notification Point</b> Ohio Emergency Management Agency 2855 Dublin Granville Road Columbus, OH	3/21/00 08:00 hours	
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Contact Carol O'Claire  
(614) 799-3915

Directions: The State EOC is located on State Route-161, (2855 W. Dublin Granville Road), between Sawmill Road and SR-315. Roadway entrance is to the south side of SR-161 (at the ODOT and Med-Flight signs). Stay straight on roadway to the second driveway and park. The EOC building entrance is at the top of the stairway. Upon entry request the guard notify your contact.

<b>State Emergency Operations Center</b> Ohio Emergency Management Agency	3/21/00 08:00 - 15:00 hours	
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**2855 Dublin Granville Road  
Columbus, OH**

Contact Carol O'Claire  
(614) 799-3915

<b>State Assessment Room</b> Ohio Emergency Management Agency 2855 Dublin-Granville Road Columbus OH	3/21/00 08:00 - 15:00 hours	
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Contact Carol O'Claire  
(614) 799-3915



**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**STATE OF OHIO** (continued)

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
<b>Emergency Operations Facility (EOF)</b> Perry Nuclear Power Plant 10 North Center Road Perry, OH	3/21/00 08:00 - 15:00 hours	Dan Cleavenger

Contact Sonia Eischen, State of Ohio EOF Liaison  
(440) 280-5746

Directions: The EOF is located at the Perry Nuclear Power Plant (10 North Center Road, Perry, Ohio) on the first floor of the Training and Education Center (TEC Building) which is the two story, brick and cement building off to the left of the road upon entering the PNPP grounds. Take State Route 2 to its end and continue straight ahead on U.S. Route 20 to Center Road (traffic light). Turn left (north) on Center Road and enter the PNP grounds from Center Road; take the first road on the left (across from the large sign, which is on the right side) and proceed a few feet to the parking lot in front of the TEC Building.

<b>Joint Public Information Center</b> Lakeland Community College Performing Arts Center 7700 Clocktower Drive Mentor, OH	3/21/00 ~10:00 - 15:00 Hours	Cheryl Jenkins
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Contact: Dick Kimmins, State of Ohio Public Information Officer (PIO)  
Phone: (440) 269-7107 or  
(440) 269-7122/7115/7116

Directions: The main entrance (Clocktower Drive) is from Route 306, just south of Interstate 90. (Also, there is a back entrance from Garfield Road not far from the Lake County EOC.) The Performing Arts Center is to the immediate left of the clock tower. Enter the doors directly under the overhead walkway. If the security personnel will not admit you, ask for an Exercise Controller or the Government Liaison person.

Parking: Secured parking is available in the lot directly across from the clock. The parking code to enter will be given at the pre-exercise briefing. The gate lifts automatically when exiting. Parking is also available in the student parking lots.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**STATE OF OHIO (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>State of Ohio Field Monitoring Teams</b> Lake County Emergency Operations Center 8505 Garfield Road Mentor, Ohio	3/21/00 ~09:30 hours	
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Contact Dan Redman  
(440) 953-5396

Directions: The Lake County EOC is located at the end of Garfield Road. The EOC is accessible from (1) Rt. 84 (Mentor) or (2) Lakeland Community College Campus (the location of the Joint Public Information Center).

<b>State of Ohio Communications Van</b> Ledgemont Elementary School  Thompson, OH	3/21/00 ~09:30 hours <b>16200 Burrows Road</b>	
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Contact Larry Confer or Rick Ponder  
(614) 799-3642 or (614) 799-3641

Directions: From Interstate Route 90 take State Route 528 south to Burrows Road (approximately 4 miles south of the Thompson Square). Turn right (west) on Burrows Road and proceed to the Ledgemont Elementary School.

<b>State of Ohio Sample Screening Point</b> Ledgemont Elementary School  Thompson, OH	3/21/00 ~09:30 hours <b>16200 Burrows Road</b>	
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Contact George Cicotte or S. Jayaraman  
(614) 203-6359 (cellular) or (614) 728-0872 (pre-exercise)

Directions: See above.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>Lake County Field Monitoring Teams</b> Lake County Emergency Operations Center 8505 Garfield Road Mentor, Ohio	3/20/00 18:00 hours	
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Contact John Wills, Regional Radiological Analyst, Ohio EMA  
(440) 953-5393

Directions: Inventory of the Lake County Health District field monitoring team kits will be conducted on Monday, March 20, 2000 at 18:00 hours at the Lake County EOC, which is located at the end of Garfield Road. The EOC is accessible from (1) Rt. 84 (Mentor) or (2) Lakeland Community College Campus.

Note: The Lake County Field Monitoring Teams will conduct their demonstration in sequence with the evaluated exercise on Tuesday, March 21, 2000 beginning from the Lake County EOC.

<b>Monitoring/Decontamination Public</b> Kirtland High School 9152 Chillicothe Road Kirtland, OH	3/20/00 18:30 hours	Jerome Barclay
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Demonstrating Agency: Kirtland Fire Department  
Contact Lt. Doug Boode  
(440) 256-8979

Directions: Take Interstate 90 to State Route 306. Go south on Route 306 approximately two miles to Kirtland High School. Turn right into the school parking lot and proceed to rear entrance of the building.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>Congregate Care Center/Registration</b> Kirtland High School 9152 Chillicothe Road Kirtland, OH	3/20/00 18:30 hours	Jerome Barclay
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Demonstrating Agency: American Red Cross  
Contact Rick McPeak  
(440) 352-3171

Directions: Take Interstate 90 to State Route 306. Go south on Route 306 approximately two miles to Kirtland High School. Turn right into the school parking lot and proceed to rear entrance of the building.

<b>Back-Up Route Alerting</b> <b>Leroy Township Fire Department</b> 13028 Leroy Center Road Leroy Township, OH	3/20/00	<b>19:00 hours</b>
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**Contact James McDonald**

(440) 254-4124

Directions: Take Interstate Route 90 to Vrooman Road exit. Go south on Vrooman Road to Leroy Center Road. Turn left (east) on Leroy Center Road. The Fire Department is located on the right (south) side of the road.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>Initial Notification Point</b> Lake County Emergency Operations Center (EOC) Central Communications Center 8505 Garfield Road Mentor, OH	3/21/00 08:00 hours	
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Contact Robert Archer, Director  
(440) 953-5393 or (440) 256-1415/1416

Directions: The Central Communications Center is co-located with the Lake County EOC, which is located at the end of Garfield Road. The EOC is accessible from (1) Rt. 84 (Mentor) or (2) Lakeland Community College campus.

<b>Emergency Operations Center Lake County EOC</b>	3/21/00  <b>8505 Garfield Road Mentor, OH</b>	<b>08:00 - 1500 hours</b>
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Contact Robert Archer, Director  
(440) 953-5393 or (440) 256-1415/1416

Directions: The Lake County EOC is located at the end of Garfield Road (see above).

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b><u>Demonstrating Agency/ Location</u></b>	<b><u>Date/ Time</u></b>	<b><u>Exercise Controller/ [Exercise Evaluator]</u></b>
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<b>Medical Services - Transportation</b>	3/21/00	
<b>Perry Nuclear Power Plant</b>		<b>07:30 hours</b>
Unit #1, Controlled Access Area 10 North Center Road Perry, OH		

The demonstrating agency is:  
Perry Township Fire Department  
3742 Center Road  
Perry, OH

**Contact Chief Robert Bates**

40) 259-2880

Directions and Notes: The Medical Services demonstration will be conducted in sequence with the evaluated exercise. Contact the Exercise Controller who will be waiting outside the Primary Access Control Point at the Perry Power Plant. The Perry Township Fire Department will respond to the Perry Nuclear Power Plant, enter through the Primary Access Control Point (PACP) vehicle lock, and travel to the transfer point from the Radiological Restricted Area. Special access and dosimetry is required for all participants, including the evaluator. An Exercise Controller will escort the FEMA Evaluator inside the plant's controlled area.

**Medical Services – Facilities**

<b>Lake East Hospital</b>		<b>3/21/00</b>
10 East Washington Street Painesville, OH	08:00 hours	

Contact Pat Casella or Ron Howard  
(440) 354-1685

Directions: Take State Route 2 to the Painesville Fairport Harbor exit. Take Richmond Street south to the corner of East Washington and Liberty streets. The Hospital Emergency Room Entrance is on High Street.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
<b>Joint Public Information Center</b> Lakeland Community College 7700 Clocktower Drive Mentor, OH	3/21/00 ~10:00 - 15:00 hours	Cheryl Jenkins

Contact Ken Gauntner, Lake County Public Information Officer (PIO)  
(440) 269-7107 or (440) 269-7122/7115/7116

Directions: Directions: The main entrance (Clocktower Drive) is from Route 306, just south of Interstate 90. (Also, there is a back entrance from Garfield Road not far from the Lake County EOC.) The Performing Arts Center is to the immediate left of the clock tower. Enter the doors directly under the overhead walkway. If the security personnel will not admit you, ask for an Exercise Controller or the Government Liaison person.

Parking: Secured parking is available in the lot directly across from the clock. The parking code to enter will be given at the pre-exercise briefing. The gate lifts automatically when exiting. Parking is also available in the student parking lots

<b><u>Emergency Alert System Radio Station</u></b>	<b>3/21/00</b>	<b>Jay Carter</b>
<b>WGAR 99.5 FM 12:00 hours</b>		

5005 Rockside Road  
Suite 530  
Cleveland OH

Contact John Makley, Technical Director  
(216) 328-9950

Directions:

Take Interstate Route 90 to Route 271. Take Route 271 South to Route 480 West. Take Route 480 West to Interstate Route 77 South to the Rockside Road exit. Turn right at the exit and turn right at the first drive on the right-hand side. WGAR is located on the 5<sup>th</sup> floor of the Crown Center Building.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
<b>Emergency Worker Monitoring/Decontamination</b> <b>Mentor High School Football Stadium</b> 6477 Center Road (Route 615) Mentor, OH	19:00 hours	3/21/00 Jerome Barclay

Demonstrating Agency: Mentor Fire Department  
 Contact Lee Silvi  
 (440) 974-5765

Directions: Take State Route 2 to Route 615 (Center Road). Take Route 615 south to Civic Boulevard. Follow Civic Boulevard to the Mentor High School Football Stadium.

<b>School District</b> <b>Painesville Township School District</b> Superintendent's Office Board of Education 585 Riverside Drive Painesville, OH	09:30 hours	3/22/00 Jerome Barclay
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Contact Superintendent Keith Thimons  
 (440) 352-0068

Directions: Take State Route 2 to State Route 44 south. Take State Route 44 to Painesville/Mentor State Route 84 exit. Take Route 84 east to Painesville Riverside High School. The Administration office is located west of the high school building.



**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**LAKE COUNTY (continued)**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
<b>School District</b>		
<b>Painesville City School District</b>		<b>3/22/00 Jerome Barclay</b>
Superintendent's Office	11:00 hours	
Board of Education		
58 Jefferson Street		
Painesville, OH		
Contact Superintendent Mike Hanlon (440) 639-7000		

Directions: Take Route 2 to Painesville Fairport Harbor exit. Take Richmond Street south to Jackson Street. Take Jackson Street west to Jefferson Street. Turn south (left) on Jefferson Street. The Board of Education building is on the left.

<b>Traffic/Access Control</b>	3/22/00	Jerome Barclay
Lake County Sheriff's Department	13:00 hours	
Demonstration location:		
Intersection of State Route 20 and Fairgrounds Road		
Painesville Township, OH		
Contact Deputy Thomas Cotter (440) 350-5514		

Directions: Take State Route 2 to State Route 44 south. Take State Route 44 to the Jackson Street exit. Proceed straight off of the exit ramp to State Route 20 Mentor Avenue. Turn right (west) and proceed to the Fairgrounds Road/State Route 20 intersection.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**ASHTABULA COUNTY**

<u>Demonstrating Agency/ Location</u>	<u>Date/ Time</u>	<u>Exercise Controller/ [Exercise Evaluator]</u>
<b>Initial Notification Point</b> <b>Ashtabula County</b> Sheriff's Department Dispatch Center 25 West Jefferson Street Jefferson, OH  Contact Ed Somppi, Director (440) 576-9148	3/21/00	<b>08:00 hours</b>

Directions: Take Interstate 90 to State Route 45. Take State Route 45 south to State Route 307. Take State Route 307 east to State Route 46 (Chestnut Street). Take State Route 46 south (right) to the intersection with Jefferson Street. The Sheriff's Department is located with the county courthouse on the right. The Dispatch center is located in the basement area adjacent to the County EOC.

<b>Emergency Operations Center</b> <b>Ashtabula County Courthouse</b> 25 West Jefferson Street Jefferson, OH  Contact Ed Somppi, Director (440) 576-9148	3/21/00	<b>08:00 – 15:00 hours</b>
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Directions: See above.

<b>Joint Public Information Center</b> Lakeland Community College 7700 Clocktower Drive Mentor, OH	3/21/00 ~10:00 - 15:00 hours	Cheryl Jenkins
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Contact Byron Landolfi, Ashtabula County Public Information Officer (PIO)  
 (440) 269-7107 or (440) 269-7122/7115/7116

**ASHTABULA COUNTY (continued)**

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
<b>Monitoring/Decontamination - Public Conneaut Rowe Middle School</b>	<b>3/21/00</b>	<b>Michael Ginn</b>

**19:00 hours**

**360 Rowe Street**

Conneaut, OH

Demonstrating Agency: Conneaut Fire Department  
Contact Chief Bimm Orrenmaa  
(440) 593-7460

Directions: Take Interstate Route 90 to the Conneaut (State Route 7) exit. Take Route 7 north to State Route 20 (Main Street). Turn right (east) on Route 20 and travel across the Main Street Bridge to Rowe Street. Turn north (left) on Rowe Street and proceed to the Middle School on the right.

<b>Congregate Care Center/Registration Conneaut Rowe Middle School</b>	<b>3/21/00</b>	<b>Michael Ginn</b>
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**19:00 hours**

**360 Rowe Street**

Conneaut, OH

Demonstrating Agency: American Red Cross  
Contact Randy Dramis  
(440) 998-1020

Directions: See above.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**ASHTABULA COUNTY (continued)**

<u>Demonstrating Agency/ Location</u>	<u>Date/ Time</u>	<u>Exercise Controller/ [Exercise Evaluator]</u>
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<b>Traffic/Access Control</b> Ohio State Highway Patrol Demonstration location: Intersection of Interstate Route 90 and State Route 534 Harpersfield Township, OH	3/22/00 13:00 hours	Michael Ginn
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Contact Lt. George Williams, Post Commander  
Ohio State Highway Patrol  
Ashtabula Post #4  
(440) 969-1155

Directions: The Ohio State Highway Patrol Trooper will meet the evaluator at the BP gas station on the northwest corner of the exit ramp.

<b>Back-Up Route Alerting</b> Geneva-on-the-Lake Fire Department 4931 South Warner Drive Geneva-on-the-Lake, OH	3/22/00 19:00 hours	Michael Ginn
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Contact Chief James Bartlett  
(440) 466-8765

Directions: From Interstate Route 90 or State Route 20 go south on State Route 534. Take Route 534 to State Route 531 (State Route 534 ends at State Route 531). Take State Route 531 east to South Warner Drive.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**GEAUGA COUNTY**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>Initial Notification Point</b> Geauga County Sheriff's Dispatch Center 12518 Merritt Road Chardon, OH	3/21/00 08:00 hours	
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Contact Dale Wedge, Director  
Geauga County Department of Emergency Services (DES)  
(440) 285-9200

Directions: The Sheriff's Dispatch Center is located at the Geauga County EOC. Take State Route 44 to Merritt Road. Turn left (east) on Merritt Road (about 2 miles south of Route 322). Proceed to the first driveway on the left.

<b>Emergency Operations Center</b> <b>12518 Merritt Road</b> Chardon, OH	3/21/00	<b>08:00 – 15:00 hours</b>
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Contact Dale Wedge, Director  
(440) 285-9200

Directions: See above.

<b>Joint Public Information Center</b> Lakeland Community College 7700 Clocktower Drive Mentor, OH	3/21/00 ~10:00 - 15:00 hours	Cheryl Jenkins
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Contact, Sue Negron, Geauga County Public Information Officer (PIO)  
(440) 269-7107 or (440) 269-7122/7115/7116

**GEAUGA COUNTY (continued)**

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

<b>Demonstrating Agency/ Location</b>	<b>Date/ Time</b>	<b>Exercise Controller/ [Exercise Evaluator]</b>
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<b>School District</b>  16200 Burrows Road Thompson, OH	3/22/00  <b>Ledgemont School District</b>	Barbara Pizzi  <b>09:00 hours</b>
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Contact Dr. William Zwick, Superintendent  
(440) 298-3341

Directions: The Ledgemont School District Superintendent's Office is located in the Ledgemont Elementary School. Take State Route 528 south to Burrows Road (approximately 4 miles south of the Thompson Square). Turn right (west) on Burrows Road and proceed to the Ledgemont Elementary School.

<b>Traffic/Access Control</b> Geauga County Sheriff's Office Demonstration location: Intersection of State Route 608 and U.S. Route 6 Gambden Township, OH	3/22/00  13:00 hours	
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Contact Lt. Dan McClelland  
(440) 286-1234

<b>Monitoring/Decontamination - Public</b> <b>Cardinal High School</b>  Middlefield, OH	3/22/00  <b>14785 Thompson Road</b>	Barbara Pizzi  <b>19:00 hours</b>
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Demonstrating Agency: Middlefield Fire Department  
 Contact Chief Stuart Anderson  
 (440) 632-1907

Directions: Take State Route 87 to Thompson Street. The High School is at the end of Thompson Street.

**PERRY NUCLEAR POWER PLANT  
RADIOLOGICAL EMERGENCY PREPAREDNESS  
EVALUATED EXERCISE**

**ACTION LOCATIONS  
MARCH 20-22, 2000**

**GEAUGA COUNTY (continued)**

<u>Demonstrating Agency/ Location</u>	<u>Date/ Time</u>	<u>Exercise Controller/ [Exercise Evaluator]</u>
<b>Congregate Care Center/Registration Cardinal High School</b> 14785 Thompson Road Middlefield, OH	3/22/00	Barbara Pizzi <b>19:00 hours</b>

Demonstrating Agency: American Red Cross  
Contact Jay Becker  
(440) 285-4911

Directions: Take State Route 87 to Thompson Street. The High School is at the end of Thompson Street.

**2000 PERRY PLANT EVALUATED EXERCISE  
2.2 ONSITE EXERCISE ORGANIZATION**

**2.2 ONSITE EXERCISE ORGANIZATION**

The organization for this Exercise will consist of the Exercise Coordinator, Lead Facility Controllers, other Exercise controllers, players, and observers. The role of each of these is discussed in this section.

2.2.1 The Exercise Coordinator will coordinate all preparations for the conduct of the exercise, including the development of the scenario and exercise manual. He will interface, as required, with the Lead Facility Controllers, to resolve any inter-facility questions concerning the exercise scenario, and shall determine the amount of "free play" that will be permissible on the part of the players (particularly by the players in the Control Room). He shall have sole authority to terminate the Exercise if, in his judgment, events have occurred which require that the Exercise be suspended to direct appropriate resources to resolution of an actual problem or emergency. Upon receiving verification from all Lead Facility Controllers that the objectives have been satisfactorily demonstrated, he shall authorize distribution of the exercise termination message. After the exercise has been completed, he will chair the controller/evaluator de-briefing sessions, and coordinate the compilation of a consolidated critique report delineating strengths and weaknesses identified by these individuals. He will also chair the post-exercise critique meeting. He will coordinate the preparation of an itemized list of corrective actions and improvement items identified during the conduct of the exercise, in accordance with the Perry Plant Emergency Plan and PSI-0017.

2.2.2 Controllers are qualified personnel selected to perform functions as follows:

1. A Lead Facility Controller is assigned to each emergency response facility or key activity (i.e., Fire Brigade/FAT or RMTS). The Lead Facility Controller is responsible for all Controllers, Evaluators, and Observer activities for that facility and, if appropriate, its associated teams. Controllers for teams or subareas of a facility report to the Lead Facility Controller.

Lead Facility Controllers are responsible for:

- (1) conducting facility/activity critiques with players immediately following exercise termination, and
  - (2) evaluating performance based on the objective acceptance criteria outlined in Self-Assessment Plan (Section 4.4)
2. The Controllers will deliver Exercise messages to designated players at specified times and places during the Exercise per Section 7. 1, "Player/Controller Message Summary". As deemed necessary, additional contingency messages may be delivered to keep Exercise action moving according to the scenario sequence of events.



**2000 PERRY PLANT EVALUATED EXERCISE  
2.2 ONSITE EXERCISE ORGANIZATION**

Controllers submit written recommendations to the Lead Facility Controller, who in turn summarizes all comments for submittal to the Exercise Coordinator prior to the scheduled critique.

3. Persons designated as Controllers for a given function may also be assigned as Evaluators of that function when feasible. Evaluators will record their observations using the evaluation form provided and make recommendations to the Lead Controller. They will evaluate player performance based on requirements contained in the Emergency Plan and appropriate Implementing Instructions. Each Evaluator shall keep an on-going record (chronology) of significant events as they occur.
4. The Exercise Coordinator will coordinate the development and conduct of a formal post-exercise critique per PSI-0017, based on the comments and recommendations received from Lead Controllers and designated Evaluators.

**Controllers/Evaluators will be identified by RED armbands with white lettering.**

**Federal agency evaluators will be identified by YELLOW armbands with black lettering denoting "NRC" or "FEMA" as appropriate.**

2.2.3 Players include Perry Plant and other First Energy Corp. personnel assigned to perform emergency functions, as described in the Emergency Plan and Implementing Instructions. Players from off-site organizations and agencies are participants in the Exercise as described in their respective Emergency Plans and Standard Operating Procedures.

2.2.4 Observers from First Energy Corporation and other organizations may be authorized, on a limited basis, to participate in the Exercise solely for the purpose of observing Exercise activity for personal education. Observers will report initially to the Perry Plant Emergency Planning Supervisor for credential review and authorized admittance. They will be provided with orientation information and appropriate exercise publications.

**Observers will be identified by GRFEN armbands with white lettering stating "Observer".**

**2000 PERRY PLANT EVALUATED EXERCISE**  
**2.3 ONSITE EMERGENCY RESPONSE FACILITIES**

**2.3 ONSITE EMERGENCY RESPONSE FACILITIES**

During the Exercise, special facilities will be activated to manage, assess, and support emergency response. Figure 2.3.1 identifies the location of key Perry Plant buildings.

**2.3.1 On-Site Facilities**

The Perry Nuclear Power Plant Emergency Response Facilities are:

1. Control Room Simulator

The Unit 1 Control Room will not be used due to potential interference with plant activities. For the Exercise, the PNPP Simulator, located on the first floor of the PNPP Training and Education Center (TEC), will be utilized. Control Room emergency response measures will be exercised from the Simulator under the direction of the Shift Supervisor, acting as the Emergency Coordinator, until relieved by the TSC Operations Manager.

2. Technical Support Center (TSC)

When emergency conditions escalate to an Alert status or higher, coordination of the emergency response will shift from the Control Room [Simulator] to the TSC, located in the 603' 6" level of the Service Building (see Figure 2.3.2). The Operations Manager relieves the Shift Supervisor as acting Emergency Coordinator and directs activities from the TSC until relieved by the Emergency Coordinator in the EOF. The TSC is the location from which technical management personnel support actions being performed in the Control Room. The TSC serves as the primary communications source to the NRC. The TSC will perform event classification, offsite notifications to Federal, State, and local county agencies, and offsite dose assessment until the EOF is operational.

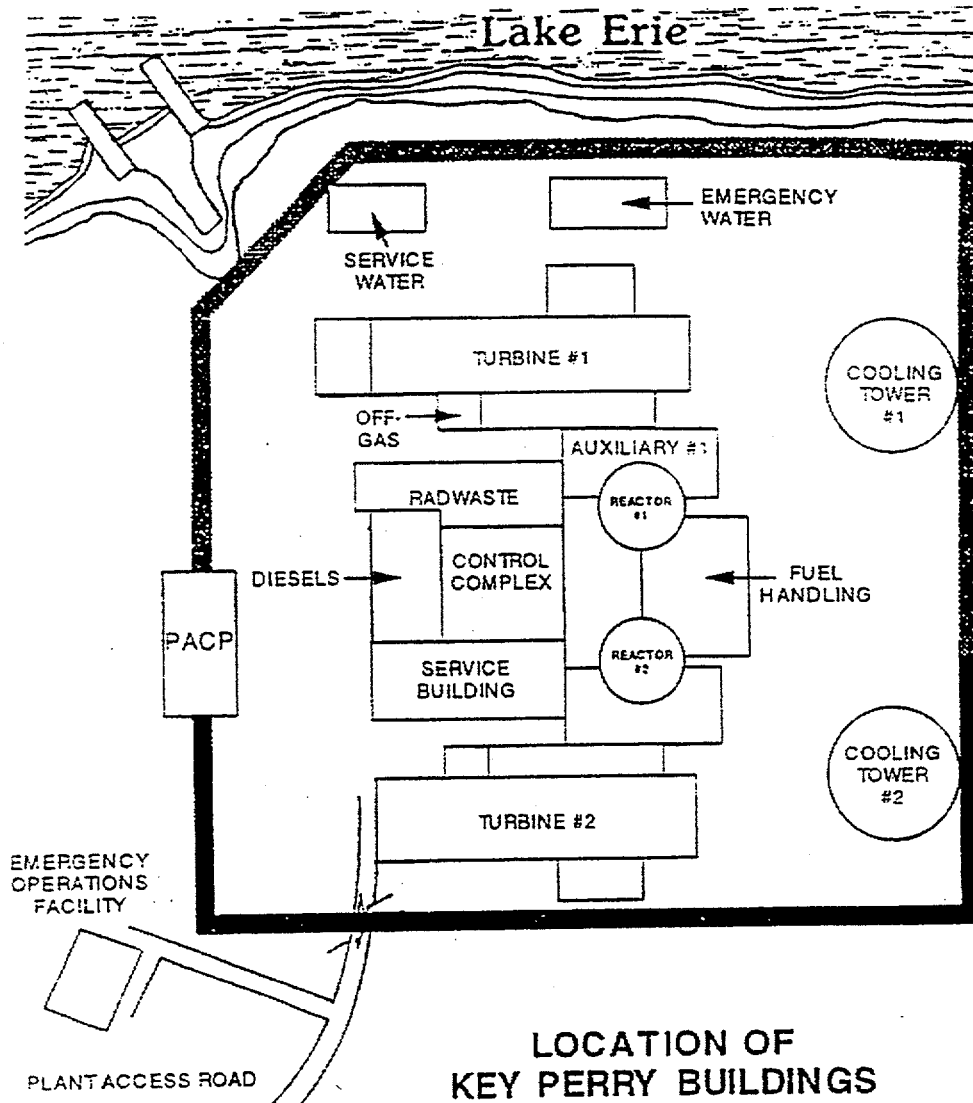
3. Operations Support Center (OSC)

The OSC, located on the 599' elevation of the Control Complex (see Figure 2.3.3), provides a location where emergency response teams can be assembled and coordinated during an emergency. The OSC will be activated for emergency conditions classified as an Alert or higher, and may be activated for an Unusual Event at the discretion of the Emergency Coordinator.

4. Emergency Operations Facility (EOF)

The EOF, located in the Training and Education Center (see Figure 2.3.4), will be activated for emergency conditions classified as a Site Area Emergency or General Emergency (optional for the Alert status). The Emergency Coordinator relieves the TSC Operations Manager as active Emergency Coordinator and directs activities from the EOF. The EOF is the "command post" for coordination of response measures with off-site organizations, assessment of radiological and environmental conditions, and development of protective action recommendations for the general public.

2000 PERRY PLANT EVALUATED EXERCISE  
2.3 ONSITE EMERGENCY RESPONSE FACILITIES



LOCATION OF  
KEY PERRY BUILDINGS

Figure 2.3.1

2000 PERRY PLANT EVALUATED EXERCISE  
2.3 ONSITE EMERGENCY RESPONSE FACILITIES

TECHNICAL SUPPORT CENTER (TSC)  
SERVICE BUILDING ELEV. 603'6"

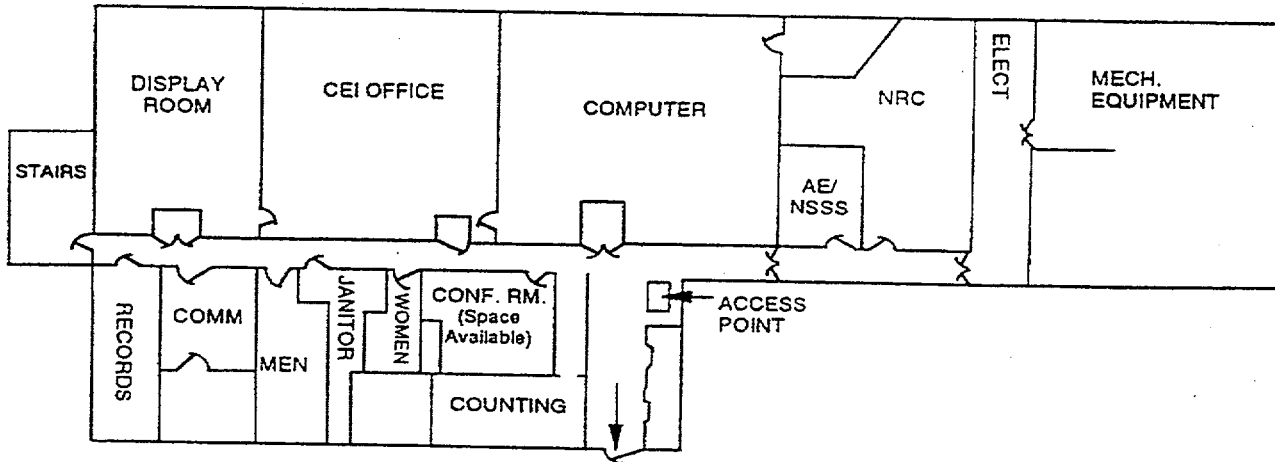


Figure 2.3.2

2000 PERRY PLANT EVALUATED EXERCISE  
2.3 ONSITE EMERGENCY RESPONSE FACILITIES

OPERATIONS SUPPORT CENTER (OSC) LAYOUT  
599' Level Control Complex Building (Main Floor)

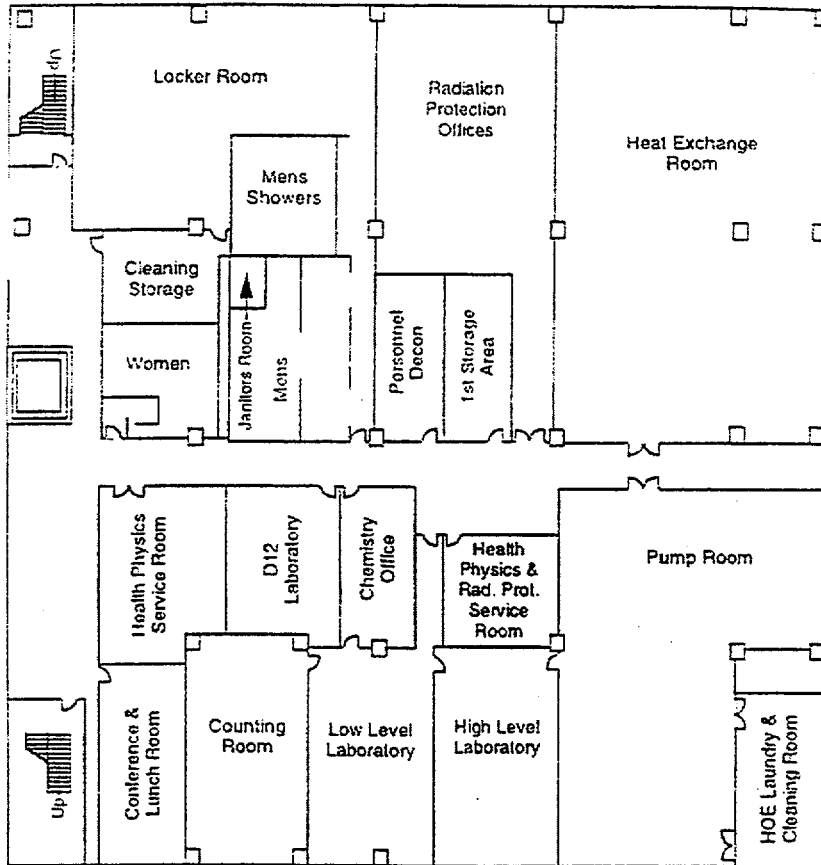


Figure 2.3.3

**2000 PERRY PLANT EVALUATED EXERCISE  
2.3 ONSITE EMERGENCY RESPONSE FACILITIES**

**EMERGENCY OPERATIONS FACILITY (EOF) LAYOUT**

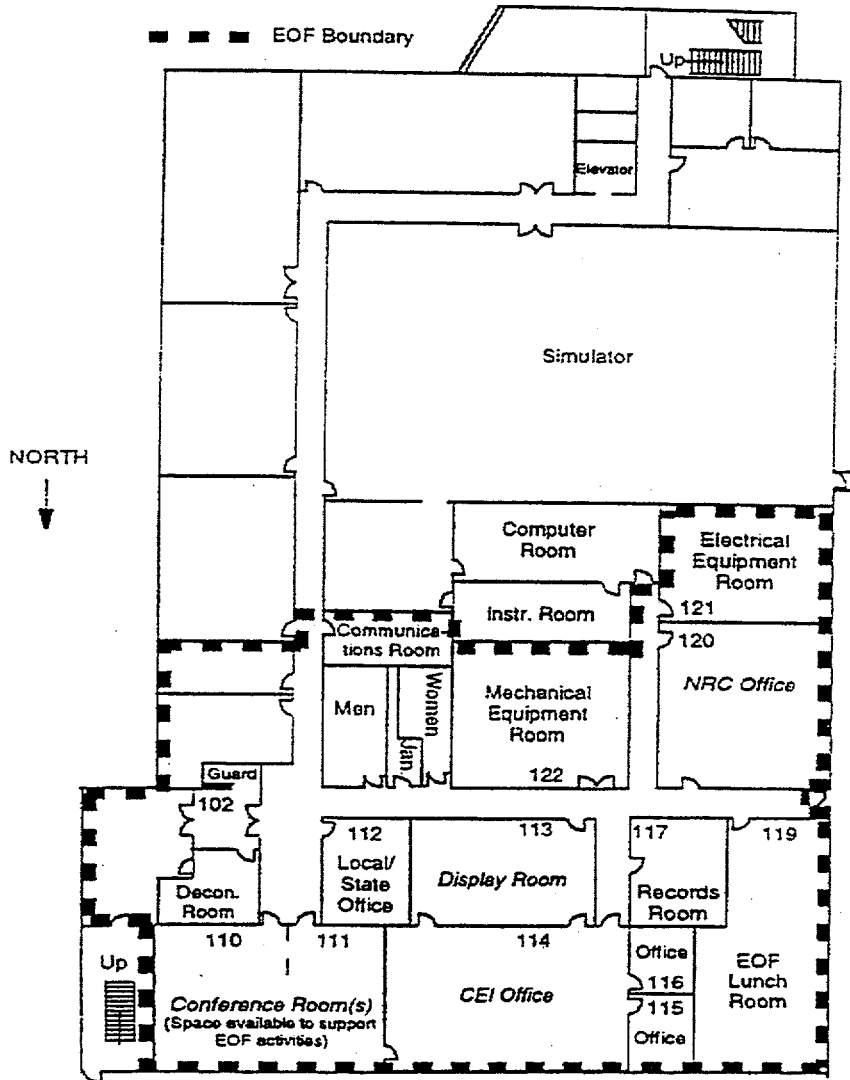


Figure 2.3.4

## **SECTION 3.0**

### **GENERAL INFORMATION**

**This sections contains the following:**

- **Section 3.1 – Travel Information**
- **Section 3.2 – Accommodations**
- **Section 3.3 – Abbreviations**
- **Section 3.4 - Definitions**

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

**3.1 TRAVEL INFORMATION**

This section of the Exercise manual provides travel information to those individuals from First Energy Corporation, other utilities, local/State/Federal government, and /or other organizations who will participate in the Exercise as Observers.

Permission to observe the Exercise must be obtained from the Emergency Planning Supervisor, Perry Plant, A240, 10 Center Road, Perry, Ohio 44081. (440-280-5294)

**DIRECTIONS TO THE PERRY PLANT**

The Perry Plant is located on the southeastern shoreline of Lake Erie in Lake County, Ohio, approximately seven miles northeast of Painesville, Ohio, and about 35 miles northeast of downtown Cleveland.

a. Air

Several airlines provide passenger service to Cleveland Hopkins International Airport.

b. Car

1. Several car rental agencies are available at Cleveland Hopkins International Airport to provide rental vehicles for ground transportation to the Perry Plant.
2. Persons traveling from Hopkins International Airport via auto should take the following route:
  - State Road 237 North to Interstate 480 East (Youngstown).
  - Follow I-480 to Interstate 271 North; follow I-271 North to Interstate 90 (Erie).
  - Take I-90 East to State Route 44; follow SR 44 North (Painesville) to State Route 2 (East).
  - Take State Route 2 East (which becomes State Route 20) to Center Road (traffic light). Turn left (North) onto Center Road and proceed to the Perry Plant site.

Total distance is approximately 50 miles (see Figure 3.1).



**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.2 ACCOMMODATIONS

Hotel/motel accommodations may be obtained at the following locations:

Lake & Geauga Counties:

Courtyard by Marriott, Willoughby, I-90 & Route 91	(440) 530-1100
Days Inn Cleveland, Willoughby, I-90 & Route 306	(440) 946-0500
Holiday Inn Express, Mentor, I-90 & Heisley Road	(440) 357-0384
Quail Hollow Resort in Concord Twp., 1-90 at Route 44	(440) 352-6201
Ramada Inn, Cleveland E, Willoughby, I-90 & Route 91	(440) 944-4300
Radisson Hotel, Eastlake, Route 2 & Route 91	(440) 953-8000
Red Roof Inn in Mentor, 1-90 at Route 306	(440) 946-9872
Super 8 Motel in Mentor, Route 2 at Route 306	(440) 951-8558
Travel Lodge, Willoughby, I-90 & Route 91	(440) 585-1900

Ashtabula County:

Travel Lodge in Austinburg, 1-90 at Route 45	(440) 275-2011
Holiday Inn Express in Austinburg, 1-90 at Route 45	(440) 275-2020
Hampton Inn in Austinburg, I-90 at Rout 45	(440) 275-2000
Comfort Inn in Austinburg, I-90 at Rout 45	(440) 275-2711

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

**3.3 LIST OF ABBREVIATIONS**

ACP	-	Access Control Point
AEGTS	-	Annulus Exhaust Gas Treatment System
ARC	-	American Red Cross
AB	-	Auxiliary Building
ADS	-	Automatic Depressurization System
ARI	-	Alarm Response Instruction
ATWAS	-	Anticipated Transient Without a SCRAM
CADAP	-	Computer-Aided Dose Assessment Program (CADAP)
CAS	-	Control Alarm Station
CDEct	-	Committed Dose Equivalent - Child Thyroid
CEDE	-	Committed Effective Dose Equivalent
CEI	-	The Cleveland Electric Illuminating Company
CNTMT	-	Containment
CFR	-	Code of Federal Regulations
CR	-	Control Room
CRD	-	Control Rod Drive
DG	-	Diesel Generator
DOE	-	Department of Energy
EAL	-	Emergency Action Level
EAS	-	Emergency Alert System
ECC	-	Emergency Communications Center

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.3 LIST OF ABBREVIATIONS (Cont'd)

EMA	-	Emergency Management Agency
ENS	-	Emergency Notification System
EOC	-	Emergency Operations Center
EOF	-	Emergency Operations Facility
EPA	-	Environmental Protection Agency
EPI	-	Emergency Plan Implementing Instruction
EPZ	-	Emergency Planning Zone
ERDS	-	Emergency Response Data System
ERF	-	Emergency Response Facility
ERIS	-	Emergency Response Information System
ERO	-	Emergency Response Organization
FEMA	-	Federal Emergency Management Agency
FHA	-	Fuel Handling Accident
FHB	-	Fuel Handling Building
HB	-	Heater Bay
HPCS	-	High Pressure Core Spray
HPN	-	Health Physics Network
IB	-	Intermediate Building
ICS	-	Integrated Computer System
INPO	-	Institute of Nuclear Power Operations
JPIC	-	Joint Public Information Center
LOCA	-	Loss of Coolant Accident

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.3 LIST OF ABBREVIATIONS (Cont'd)

LCO	-	Limiting Condition of Operation
LPCI	-	Low Pressure Coolant Injection
LPCS	-	Low Pressure Core Spray
MSIV	-	Main Steam Isolation Valve
NRC	-	Nuclear Regulatory Commission
ODCM	-	Offsite Dose Calculation Manual
ODH	-	Ohio Department of Health
OEMA	-	Ohio Emergency Management Agency
ONG	-	Ohio National Guard
ONI	-	Off-Normal Instruction
OSC	-	Operations Support Center
PACP	-	Primary Access Control Point
PAG	-	Protective Action Guideline
PAR	-	Protective Action Recommendation
PASS	-	Post Accident Sampling System
PEI	-	Plant Emergency Instruction
PIRT	-	Public Information Response Team
PNPP	-	Perry Nuclear Power Plant
PTI	-	Plant Test Instruction
RCIC	-	Reactor Core Isolation Cooling
REP	-	Radiological Emergency Preparedness

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.3 General Information LIST OF ABBREVIATIONS (Cont'd)

RHR	-	Residual Heat Removal
RMT	-	Radiation Monitoring Team
RPV	-	Reactor Pressure Vessel
RWCU	-	Reactor Water Clean-up System
SAS	-	Secondary Alarm Station
SDV	-	Scram Discharge Volume
SLC	-	Standby Liquid Control (boron injection)
SOI	-	System Operating Instruction
SPDS	-	Safety Parameter Display System (i.e., ICS)
SR	-	State Route
SRV	-	Safety Relief Valve
SVI	-	Surveillance Instruction
TB	-	Turbine Building
TEDE	-	Total Effective Dose Equivalent
TPC	-	Turbine Power Complex
TCP	-	Traffic Control Point
TS	-	Technical Specifications
TSC	-	Technical Support Center
USAR	-	Updated Safety Analysis Report
X/Q	-	Wind Dispersion Factor (Chi/Q)

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.4 DEFINITIONS

ALERT: The occurrence of an event or events that involve an actual or potentially substantial degradation of the level of safety of the plant. The consideration is to prepare to cope with potentially more serious emergencies. Any radioactive releases are expected to be limited to a small fraction of the EPA Protective Action Levels.

COMMITTED DOSE EQUIVALENT (CDE): The dose equivalent to organs or tissues of reference that will be received from an intake of radioactive material by an individual during the 50 year period following the intake. For dose assessment purposes, CDE for child thyroid is calculated.

COMMITTED EFFECTIVE DOSE EQUIVALENT (CEDE): The sum of the products of the weighting factors applicable to each of the body organs or tissues and the committed dose equivalent to these organ or tissues. CEDE is the internal dose component of TEDE.

COMPUTER-AIDED DOSE ASSESSMENT PROGRAM (CADAP): The automated computer program used by the PNPP for the projection of emergency offsite doses to the general public and for development of protective action recommendations.

CONTROL ROOM (CR): The principal on-site location from which the reactor is controlled and from which effective emergency control direction is given. The CR is located on the 654' elevation of the Control Complex.

CONTROL ROOM SIMULATOR: The on-site location, which is physically set up to reflect the actual unit control room. The simulator, located in the PNPP Training and Education Center, will be used as the control room for the purposes of the Exercise.

DOSE ASSESSMENT: The process of estimating the amount of radiation a person will potentially receive as a result of a radiological release.

EMERGENCY ACTION LEVELS (EALs): Levels which consist of specific sets of plant parameters (i.e., instrument indications, system status, radiological doses and dose rates) that shall be used for emergency classification. EALs are used specifically to provide early readiness status of emergency response personnel and organizations.

EMERGENCY OPERATIONS CENTER (EOC): An off-site location utilized by State, County and other government agencies and organizations to perform assessments of radiological conditions and to coordinate off-site activities (access, evacuation, etc.).

## 2000 PERRY PLANT EVALUATED EXERCISE

### 3.0 General Information

#### 3.4 DEFINITIONS (Cont'd)

EMERGENCY OPERATIONS FACILITY (EOF): A specifically designated location for the utility management of overall emergency response activities, the coordination of radiological assessments, and the control of off-site emergency support activities. The PNPP EOF is located within the Owner-Controlled Area on the lower floor of the Training Center Building, approximately one-half mile from the plant.

EMERGENCY PLANNING ZONES (EPZ): Two zones that the EPA recommends be established around all nuclear power stations. One zone with a radius of approximately 10 miles for airborne exposure, and the other with a radius of approximately 50 miles for contaminated food. In these zones, predetermined protective action plans are needed.

EMERGENCY RESPONSE DATA SYSTEM (ERDS): A computerized data link between the PNPP and NRC for the transmission of plant system/operations data and vent flow/radiation monitoring data. ERDS is activated by the PNPP at an Alert.

EMERGENCY RESPONSE FACILITY: Any of several on-site and off-site centers which are activated to coordinate emergency actions. Included in this category are the Control Room, Technical Support Center, Operations Support Center, Emergency Operations Facility, Joint Public Information Center, and State and local Emergency Operations Centers.

EP INFO LINE: PC/modem based system in which the State of Ohio and local counties can dial directly into plant computer system to access limited data on site meteorological conditions, plant vent flow rates and radiation monitor readings, and specific operational parameters.

EXCLUSION AREA: The area surrounding the Perry Plant in which First Energy Corp. has the authority to determine all activities including exclusion or removal of persons and property from the area during accident conditions.

GENERAL EMERGENCY: The most severe level of emergency classification which indicates that events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Release of radioactive material can be reasonably expected to exceed PAG exposure levels off-site.

INGESTION EXPOSURE PATHWAY: The principal exposure from this pathway would be from ingestion of contaminated water or foods, such as milk or fresh vegetables. The time of potential exposure could range in length from hours to months.

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.4 DEFINITIONS

JOINT PUBLIC INFORMATION CENTER (JPIC): An off-site emergency response facility, located at the Lakeland Community College, in Kirtland, Ohio, which is staffed by First Energy, local, State, NRC and FEMA officials. The JPIC provides a forum and point of contact for a coordinated release of news and information to the news media, general public, First Energy Corporation employees and special interest groups.

OFF-SITE: Any area outside the Owner-Controlled Area fence surrounding the Perry plant.

ON-SITE: The area within the Owner-Controlled Area fence surrounding the Perry Plant.

OPERATIONS SUPPORT CENTER (OSC): The on-site location in close proximity to the Control Room and Technical Support Center to which plant support personnel and other Emergency Response team personnel report and await instructions. The OSC is located on the 599' and 574' levels of the Control Complex adjacent to the Radiological Restricted Area and the Health Physics/Chemistry areas.

OWNER-CONTROLLED AREA: The area continuous to the Protected Area designated by the owner organization to be controlled for security purposes.

PLUME EXPOSURE PATHWAY: The means by which a radioactive cloud (plume) can expose the population at risk and/or on-site personnel to radiation. The principal exposure sources for this pathway are (1) whole body external exposure to gamma radiation from the plume and from deposited material and (2) inhalation exposure from the passing radioactive plume. The time of potential exposure could range from hours to days.

POPULATION AT RISK: Those persons for whom protective actions are or would be taken.

PROJECT SUPPORT AREA: The area within the Site Boundary encompassed by a security fence which encloses the warehouse building, project organization office areas, and contractor support areas, and to which access is controlled for security purposes.

PROTECTED AREA: The area encompassing the Vital Areas requiring a double perimeter barrier fence and the Primary Access Control Point.

PROTECTIVE ACTION: Those emergency measures taken after an accident or an uncontrolled release of radioactive materials has occurred, for the purpose of preventing or minimizing radiological exposures to personnel that would likely occur if the actions were not taken.



## 2000 PERRY PLANT EVALUATED EXERCISE

### 3.0 General Information

#### 3.4 DEFINITIONS (Cont'd)

PROTECTIVE ACTION GUIDES (PAGs): Projected radiological dose to individuals in the general population that warrant protective action following a release of radioactive material. Protective actions would be warranted provided the reduction in individual dose is not offset by excessive risks to individual safety in taking the protective action. The PAG does not include the dose that has unavoidably occurred prior to the assessment.

PUBLIC INFORMATION RESPONSE TEAM (PIRT): A facility, located in the EOF NRC Office and staffed by First Energy Corporation personnel, which may be activated to handle increased media interest that does not warrant JPIC activation.

RADIOLOGICAL CONTROL AREA (RCA): An area off-site where access is controlled for radiological protection purposes.

RADIATION MONITORING TEAMS (RMTs): Two-person teams responsible for monitoring radiation levels in the environment and (in some cases) for collecting soil, air, and water samples for laboratory analysis.

RADIOLOGICALLY RESTRICTED AREA (RRA): An area in-plant where access is controlled for radiological protection purposes.

RECOVERY ACTIONS: Those actions taken after an emergency to restore the plant as nearly as possible to pre-emergency conditions.

RE-ENTRY ACTIONS: The return to an evacuated area, in either the plant or site, for such actions as search and rescue, first aid, fire fighting, manipulation or repair of critical equipment or systems, and assess conditions in preparation for recovery operations.

SECONDARY ALARM STATION (SAS): The continuously manned security stations where all initial off-site and Emergency Response personnel notifications are conducted. The SAS is located in the Unit 1 Control Room.

SITE AREA EMERGENCY: The occurrence of an event or events which involve actual or likely major failures of plant functions needed for the protection of the public. The potential for a situation hazardous to the general public is the major concern of the Site Area Emergency classification. Radioactive releases are not expected to exceed the EPA Protective Action Guideline levels except within the Site Boundary.

SYSTEM CONTROL CENTER (SCC): The off-site facility located in Brecksville, Ohio which controls and coordinates the generation and transmission within the First Energy Corporation system and with neighboring utilities.

**2000 PERRY PLANT EVALUATED EXERCISE**  
**3.0 General Information**

3.4 **DEFINITIONS**

**TECHNICAL SUPPORT CENTER (TSC):** The on-site location which will serve as the focal point for gathering information on current and projected plant status and for the orderly implementation of emergency procedures in support of reactor command and control functions. The TSC is located on the 602'6" level of the Service Building.

**TOTAL EFFECTIVE DOSE EQUIVALENT (TEDE):** The sum of whole body (external dose) and CEDE (internal dose).

**UNUSUAL EVENT:** The occurrence of an event or events, which indicate a potential degradation of the level of safety of the plant. Unusual event emergencies involve minor situations that have the potential to escalate to more serious emergencies. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs. (The unusual event classification corresponds to the Notification of Unusual Event classification specified in federal guidance.)

**SECTION 4.0**  
**CONTROLLER AND EVALUATOR**  
**INFORMATION**

**This section contains:**

**Section 4.1 - Controller Organizations**

**Section 4.2 - Controller Telephone Numbers**

**Section 4.3 - Controller Briefing Materials**

**Section 4.4 - Plant Self-Assessment Plan**

## **SECTION 4.1**

### **CONTROLLER ORGANIZATION**

**This section contains:**

**Section 4.1.1 - Perry Plant (Onsite) Controller Roster**

**Section 4.1.2 - Offsite Controller Roster**

**SECTION 4.2**

**CONTROLLER TELEPHONE NUMBERS**

## 2000 PERRY EVALUATED EXERCISE

### 4.2 CONTROLLER TELEPHONE NUMBERS

1. The following telephone numbers will be used to contact Controllers in each of the designated Emergency Response Facilities. Instruments for "CONTROLLER USE ONLY" are colored YELLOW.

<u>Facility</u>	<u>Telephone No. (280-XXXX)</u>
Control Room (Simulator)	Ext. 5702
Operations Support Center (OSC)	Ext. 5541
Technical Support Center (TSC)	Ext. 5733
Emergency Operations Facility (EOF)	
- CEI Room	Ext. 5797
- Display Room (Dose Assessment)	Ext. 7171
Public Information Response Team (PIRT)	Ext. 5219
Joint Public Information Center (JPIC)	269-7108
State of Ohio Emergency Operations Center (EOC)	614/799-3910
Ashtabula County EOC	440-576-9148
Geauga County EOC	440-285-9200 x7670
Lake County EOC	440-256-1415

2. Company Telephone Bridge Ext. 7100  
(open line between Simulator - OSC - TSC)

Any changes in scenario will be discussed with lead Controllers in the Simulator Room, TSC, and OSC prior to implementation. The TSC will be responsible for communicating scenario changes or concerns to the EOF.

## 2000 PERRY EVALUATED EXERCISE

### 3. OSC / In-Plant Communications:

**Field controllers will communicate to the Simulator Instructor's Console through the Lead OSC Controller, both prior to and after OSC activation.**

**The Lead OSC Controller will notify both the Simulator 'driver' and TSC of equipment restoration or delays affecting the scenario.**

### 4. Extension Numbers for Simulated Off-Site Agencies:

<u>Organization</u>	<u>Telephone No.</u>
Nuclear Regulatory Commission:	
- Emergency Notification System (ENS)	ENS Mockup (use first no.listed)
- ENS Backup	Ext. 6018
- Health Physics Network (HPN)	HPN Mockup (use first no.listed)
- HPN Backup	Ext. 6043
Non-Mandatory Notifications:	
- NEIL	5680
Simulator Nos.:	
- STA	Ext. 5899
- SAS	Ext. 5931
- Communicator/CRA	259-2365 or Ext. 5694

**SECTION 4.3**  
**CONTROLLER BRIEFING MATERIALS**

**This section contains:**

- **Section 4.3.1 - Onsite Controller Briefing Handout**
- **Section 4.3.2 - Offsite Controller Briefing**



**SECTION 4.3.1**

**ONSITE CONTROLLER BRIEFING HANDOUT**

**SECTION 4.3.2**  
**OFF-SITE CONTROLLER BRIEFING**

**2000 EVALUATED EXERCISE**  
**4.3.2 OFF-SITE CONTROLLER BRIEFING**

**A. ROLE OF THE OFFSITE EXERCISE CONTROLLER**

1. Ensure that the FEMA evaluator has access to facilities, people, and materials and can see what she/he wants to see.
2. Insert selected messages/data; and in some field demonstrations (such as ambulance or hospital play), organize/initiate exercise play with the FEMA evaluator.
3. Terminate exercise play with the approval of the FEMA evaluator.
4. Ensure that the exercise does not interfere with response to actual emergencies. Exercise play can be temporarily suspended so that emergency response agencies can respond to actual events, however, discretion should be practiced so that exercise play is not unjustifiably interrupted.
5. If exercise play becomes grossly misdirected, the Exercise Controller, with the concurrence of the FEMA evaluator, can redirect play to keep the overall response in accordance with the scenario. Examples:
  - a. County EOC believes it has received GENERAL EMERGENCY notification when the classification is an ALERT.
  - b. County EOC initiates evacuation upon declaration of a "State of Emergency" by the Governor.
  - c. County EOC actually activates field units that have not been designated as exercise participants.

**B. EXERCISE SAFETY MEASURES**

1. Should, at any time during the course of this exercise, an actual emergency situation arise, all activities and communications related to the exercise will be suspended. It will be the responsibility of any Exercise Controller that becomes aware of an actual emergency to suspend exercise response in his/her immediate area and to inform the Lead Exercise Controllers of the situation. Upon notification of an actual emergency, the Lead Controllers will notify all other Controllers to suspend all exercise activities.

**2000 EVALUATED EXERCISE**  
**4.3.2 OFF-SITE CONTROLLER BRIEFING**

2. Should, at any time during the course of this exercise, an Exercise Controller witness an exercise participant undertake any action which would, in the opinion of the Controller, place either an individual or component in an unsafe condition, the Controller is responsible for intervening in the individual's actions and terminating that portion of the exercise and then contacting the Lead Exercise Controller and informing him of the situation.
3. No discharging of fire extinguishers or initiation of any fire suppression systems will be required for the Scenario.
4. Any motor vehicle response to this exercise, whether it be ambulance, fire fighting equipment, police/security vehicles or field monitoring teams, should observe all normal motor vehicle operating laws including posted speed limits, stop lights/signs, one way streets, etc. Emergency lights and sirens on vehicles are not to be used.
5. All telephone communications, radio transmissions and public address announcements related to the exercise must begin and end with the statement, "This is an exercise (or drill)." Should a Controller witness an exercise participant not observing this practice, it is the Controller's responsibility to remind the individual of the need to follow this procedure.
6. Exercise participants are to inject as much realism into the exercise as is consistent with its safe performance; however, caution must be used to prevent overreaction.
7. Care must be taken to ensure that any non-participating individuals who may observe exercise activities or overhear exercise communications are not misled into believing that an actual emergency exists. Any Exercise Controller or Observer who is aware of an individual or group of individuals in the immediate vicinity who may have become alarmed or confused about the situation, should approach that individual or group and explain the nature of the exercise and its intent.

**C. EXERCISE CONTROLLER CONDUCT**

1. Each Exercise Controller should be familiar with the following:
  - a. The basic objectives of the exercise.
  - b. Exercise safety.
  - c. The exercise scenario, including the initiating events and the expected course of action to be taken.

**2000 EVALUATED EXERCISE**  
**4.3.2 OFF-SITE CONTROLLER BRIEFING**

- d. The various locations that will be involved and the specific items to be observed when at those locations.
2. A summary and description of the Controllers' assigned locations, including an onsite exercise controllers organization chart is provided within this packet.
3. Controllers are assigned to various locations and are to be at their initial locations as per direction of the County Lead Controller.
4. If Controllers are to provide information via written message or oral response (e.g., initiating events, instrument readings, monitoring results, etc.) to the exercise participants, the information must be provided exactly as when prescribed. Failure to provide information appropriately may invalidate the results of the exercise.
5. Controllers should offer no information, advice, or assistance to the exercise participants. Any such requests should be respectfully declined. Controllers should only interpose themselves if the participants are taking an action that will cause the exercise to go far afield of the anticipated time schedule and/or outcome (see A-5 above).
6. Deficiencies and strong performance points should be noted for presentation in the critique with county representatives.

**SECTION 4.4**

**PLANT SELF-ASSESSMENT PLAN**

**SECTION 5.0**  
**SCHEDULE OF EVENTS**

This Section contains:

Table 5.1 - (On-Site) Perry Plant Schedule of Events

Table 5.2 - (Off-Site) State/Local County Schedule of Events

**2000 EVALUATED EXERCISE  
5.1 ONSITE SCHEDULE OF EVENTS**

SCHEDULE OF EVENTS

<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>
<b>Thursday, March 16</b>	1000 to 1100	Players' Briefing	PC201 <sup>1</sup>
<b>Monday, March 20</b>	0900 to 1100	Controllers' Briefing	PC101
	1330 to 1400	Phone Cell Controllers' Briefing (ENS, HPN, "5-Way", INPO, etc.)	TEC 110/111
	1500 to 1630	NRC Entrance Meeting & Briefing	TEC Auditorium
	1630 to 1730	NRC Plant Tour, Badging, etc.	
<b>Tuesday, March 21</b>	0630 to 0700	OSC/In-Plant Supervisors Turnover Briefing	PACP 2nd Floor Conference Room
	0630 to 0700	Control Room Crew Turnover Briefing	TEC Simulator Room
	<b>0700 to 1600<sup>2</sup></b>	<b>Exercise</b>	
	1600 to 1700	In-Facility Critiques	
	1700 to 1800	Lead Controller Debriefing	TEC 110/111
<b>Wednesday, March 22</b>	1400 to 1530	Lead Controllers Meeting	TEC 110/111
	1600 to 1630	Meeting with NRC Team Leader (if requested)	TEC-EOF NRC/ PIRT Room
<b>Thursday, March 23</b>	0900 to 1030	Post-Exercise Criteria	TEC Auditorium (On-Site/JPIC)
	1030 to 1100	NRC Exit Meeting	TEC Auditorium
<b>Friday, March 24</b>	11:00-12:00	NRC and FEMA Briefing of the Public	Lake County EOC

<sup>1</sup>PC refers to the In-Processing Center located outside the Protected Area behind the P&R Building.

<sup>2</sup>Control Room, Technical Support Center (TSC), and Operations Support Center (OSC) staffs will be allowed to de-mobilize at the lead facility controller's direction prior to exercise termination based on the scenario time-line. A critique will be held in each facility with players immediately following staff de-mobilization.



**2000 EVALUATED EXERCISE  
5.2 OFF-SITE SCHEDULE OF EVENTS**

SCHEDULE OF EVENTS

<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>	<u>LOCATION</u>
<b>Monday, March 20, 2000</b>	11:00-12:00	Off-Site Exercise Controllers Briefing	Perry Power Plant Administration Building
	14:00-16:00	Federal Emergency Management Agency (FEMA) Pre-Exercise Briefing	To Be Announced (TBA)
	18:00-21:30	Off-Site Out-of-Sequence Exercise Demonstrations	Lake County
<b>Tuesday, March 21, 2000</b>	08:00-16:00	In-Sequence Exercise Demonstrations	Lake, Geauga and Ashtabula counties
	18:00-22:00	Off-Site Out-of-Sequence Exercise Demonstrations	Lake, Geauga and Ashtabula counties
<b>Wednesday, March 22, 2000</b>	09:00-22:00	Off-Site Out-of-Sequence Exercise Demonstrations	Lake, Geauga and Ashtabula counties
<b>Thursday, March 23, 2000</b>	08:00-12:00	Off-Site Lead Exercise Controllers Brief Ohio EMA	TBA
<b>Friday, March 24, 2000</b>	09:00-10:30	FEMA Briefing of Key Exercise Participants	Lake County Emergency Operations Center (EOC)
	11:00-12:00	Nuclear Regulatory Commission (NRC) and FEMA Briefing of the Public	Lake County EOC

Note: See "Off-site Action Locations" document for detailed times and locations of off-site exercise demonstrations.

## **SECTION 6.1**

### **INITIAL CONDITIONS/TURNOVER DOCUMENTS**

**This section contains:**

**Section 6.1.1 - Initial Conditions Summary**

**Section 6.1.2 - Control Room Turnover Documents  
(turnover sheets, current tagouts, active LCOs, etc.)**

**2000 EVALUATED EXERCISE**  
**6.1.1 ONSITE INITIAL CONDITIONS SUMMARY**

The Perry Plant is at 100% power following completion of a refueling outage. The following is a listing of the status of plant systems and significant evolutions in progress:

**Mini-Scenario  
Reference**

1. A malfunction occurred early third shift on March 20<sup>th</sup> with the Reactor Feed Pump Turbine (RFPT) 'A' Level Controller, 1C34-R601, such that the gain changer, 1C34-K602, does not recognize when RFPT 'A' is in AUTO. To support I&C troubleshooting efforts, RFPT 'A' has been Transferred to the manual speed control dial and RFPT 'B' placed on the Startup Level Controller.
  
2. Header 'B' of the Safety-Related Instrument Air System (P57) was isolated at 0500 hours and the header depressurized as part of a planned outage. Work activities include the repair of a severe packing leak on Containment Isolation Valve, 1P57-F015B. A temporary air supply has been installed in the containment upstream of Drywell Isolation Valve, 1P57-F020B, per a temporary modification as make-up for normal header leakage. Header 'B' is expected to be returned to service by 0930 hours.  
[12 hour LCO per TS 3.5.1] **MS No. 1**
  
3. Standby Liquid Control (SLC) 'A' Pump, 1C41-C001A, was taken out of service for preventive maintenance (Repetitive Task R85-4753) on third shift. Upon inspection, water was discovered in the oil drained from the SLC 'A' Pump. An oil sample has been delivered to Chemistry for analysis.  
[7 day LCO per TS 3.1.7] **MS No. 2**
  
4. Residual Heat Removal (RHR) 'A' Pump, 1E12-C001A, was returned to service at 0600 hours following an oil replacement due to high particulates in the upper oil reservoir.
  
5. Annulus Exhaust Gas Treatment (AEGTS) Fan 'A', 1M15-C001A, was taken out of service on March 19<sup>th</sup> for a fan bearing replacement. Repairs should be completed by second shift tomorrow. [7 day LCO per TS 3.6.4.3]

## **SECTION 6.1.2**

### **CONTROL ROOM TURNOVER DOCUMENTS**

**This section contains:**

- **Crew turnover briefing sheets**
- **Current tagouts**
- **Active LCOs**

## **SECTION 6.2**

### **PERRY PLANT ONSITE SEQUENCE OF EVENTS**

**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

Approximate Time	Key Events	Reference
0700	Initial conditions established in Control Room Simulator. The 2000 Evaluated Exercise commences.	
0720	Control Room has indication of the inadvertent opening of Safety Relief Valve (SRV) 1B21-F051D. Actions taken per Off-Normal Instruction (ONI) B21-1, "SRV Inadvertent Opening/Stuck Open", are not successful in closing the SRV. Suppression Pool temperature starts to rise. The Control Room will initially decrease Rx power to $\leq 90\%$ per ONI-B21-1, then should consider commencing a controlled reduction in power per Integrated Operating Instruction (IOI)-3, "Power Changes", in preparation for plant shutdown.	
0725	Control Room Operators should place both loops of Residual Heat Removal (RHR) into Suppression Pool Cooling mode. During the realignment of RHR 'B' loop per System Operating Instruction (SOI) E12, the RHR 'B' Pump Minimum Flow Valve, 1E12-F064B, fails to close, thereby reducing flow to the RHR 'B' Heat Exchanger. Suppression Pool temperature stabilizes.	<b>MS No. 3</b>
0750	Alarms are received at the Secondary Alarm Station (SAS) indicating a potential fire in the RHR 'A' Pump Room. A Perry Plant Operator (PPO) and Fire Brigade First Responder are dispatched to the scene of the fire. The RHR 'A' Pump, 1E12-C001A, should be removed from service by the Control Room.	<b>MS No. 4</b>
0753	If not yet secured, the RHR 'A' Pump will trip. Perry Township Fire Department is notified by the Secondary Alarm Station (SAS) and responds to the Perry Plant site.	
0755	The System Engineer trips and falls in the RHR 'A' Pump Room. The Engineer suffers a sprained ankle and a radiologically contaminated laceration to his left forearm. The Engineer is able to exit the RHR 'A' Pump Room without assistance.	<b>MS No. 5</b>

**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

Approximate Time	Key Events	Reference
0800	<p><b>An ALERT should be declared per Initiating Condition FA1, "Fire affecting the operability of plant safety systems required to establish or maintain safe shutdown".</b></p> <p>The Technical Support Center (TSC), Operations Support Center (OSC), and Public Information Response Team (PIRT), if not yet mobilized at the Shift Supervisor's discretion, are activated per Emergency Plan Implementing Instruction (EPI) -A6, "TSC Activation", and -A7, "OSC Activation".</p>	
~0815	Injured worker is relocated by the First Aid Team to the Radiological Restricted Area (RRA) Control Point, located on the 599' elevation of the Control Complex Building, and transferred to Perry Township Fire Department personnel. The victim is subsequently transported to Lake East Hospital (Painesville, OH).	
0830	A Rod Control and Information System (RC&IS) failure occurs prohibiting the manual insertion of control rods.	MS No. 6
~0915	The plant receives a phone call pointing to sabotage as the cause of the fire in the RHR "A" pump. Site Security investigates.	
0920	Control Room annunciators are lost due to a failure in Breaker D1A06. Operators enter ONI-R61, "Loss of Control Room Annunciators (Unit 1)", and take actions to stabilize the plant and augmented Control Room staffing to monitor plant indications.	MS No. 7
0935	<p>Control Room receives call from SNSO of act of sabotage in RHR A/B Pump rooms.</p> <p><b>A SITE AREA EMERGENCY should be declared per Initiating Condition NS1, "Security Event in a plant Vital Area."</b></p> <p>The Emergency Operations Facility (EOF) and Joint Public Information Center (JPIC) are activated per EPI-A8, "EOF Activation".</p>	MS No. 5A
~0950	Repairs to the RHR 'B' Pump Minimum Flow Valve are completed, and the valve is closed.	
~1005	RC&IS is returned to service. Operators should commence a controlled shutdown of the plant.	

**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

<b>Approximate Time</b>	<b>Key Events</b>	<b>Reference</b>
1015	<p>A weld failure occurs on a test-connection reducing tee downstream of 1P57-F020A, depressurizing the Safety-Related Instrument Air System 'A' Header in Containment. Safety-Related Instrument Air is now unavailable to accumulators for all eight Automatic Depressurization System (ADS) SRVs.</p> <p>[NOTE: Operators may not immediately observe the loss of air pressure in P57 'A' Header due to the loss of Control Room annunciators.]</p> <p>Repairs to Containment Isolation Valve, 1P57-F015B, should be expedited to support restoration of the 'B' Header.</p>	
1030	<p>Control Room annunciators are restored.</p>	
1045	<p>A leak occurs in Containment on the Instrument Air System (P52). Air pressure on the parallel header in Containment decreases rapidly. Operators enter ONI-P52, "Loss of Service and/or Instrument Air".</p> <p>If Operator attempts to isolate the break by closing Instrument Air Containment Isolation Valve, 1P52-F200, parallel header air pressure will decrease rapidly.</p>	
1048	<p>One Scram Discharge Volume (SDV) drain valve fails closed due to low instrument air pressure. The SDV starts to fill.</p>	
1049	<p>INST VOL NOT DRAINED annunciator is received in the Control Room. Per ONI-P52, Operators commence a fast reactor shutdown.</p>	



**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

Approximate Time	Key Events	Reference
1051	<p>Following a manual runback in reactor recirculation flow, a manual scram is initiated but control rods do not fully insert due to insufficient SDV capacity. Due to the loss of instrument air, the inboard Main Steam Isolation Valves (MSIVs) fail closed and SDV Vent Valves, 1C11-F010 and -F180, and Drain Valves, 1C11-F011 and -F181, cannot be repositioned to drain the SDV. Operators enter Plant Emergency Instructions (PEIs)-B13, "RPV Control (ATWS)", and -T23, "Containment Control".</p> <p>Reactor Core Isolation Cooling (RCIC) and High Pressure Core Spray (HPCS) automatically initiate at Level 2 (130") to assist the Motor Feed Pump (MFP) in restoring RPV level. HPCS is secured by the Control Room Operators per PEI-B13(ATWS).</p>	
1053	<p>SRVs cycle to control Reactor Pressure Vessel (RPV) pressure, bleeding off pressure in SRV accumulators. Once pressure is lost in the accumulators, the ability to emergency depressurize the RPV is lost.</p>	
1055	<p>Per PEI-B13 (ATWS), Operators should take the following actions to reduce reactor power:</p> <p>Initiate boron injection. However, Standby Liquid Control (SLC) 'B' Pump fails to start. Operators should enter PEI-SPI (Special Plant Instruction) 1.8, "Alternate Boron Injection".</p> <p>Attempt to insert control rods per PEI-SPI 1.3, "Manual Rod Insertion". Control rods do not insert due to a loss of drive pressure when Control Rod Drive Flow Control Valve, 1C11-F002A, fails closed on a loss of instrument air.</p>	MS No. 8
	<p>Lower RPV level as a means of Reactor power control.</p>	

**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

Approximate Time	Key Events	Reference
1105	<p>A weld failure occurs on the upstream (RPV) side of RCIC Steam Supply Outboard Isolation Valve, 1E51-F064. Position indication is lost for the 1E51-F064 valve due to an electrical short at the valve caused by the release of steam. [NOTE: Since the weld failure occurs upstream of 1E51-F064, the actual position of the valve does NOT impact the scenario.]</p> <p>Steam Tunnel temperatures increase dramatically above isolation setpoints. Elevated radiation levels are indicated in the Steam Tunnel and at the Turbine Building/Heater Bay (TB/HB) Vent monitor.</p>	
1110	<p>A RCIC isolation signal is received due to high steam line differential pressure. However, the RCIC Steam Supply Inboard Isolation Valve, 1E51-F063, fails to close when commanded. An unisolable release pathway to the environment now exists from the RCIC System into the Steam Tunnel and out the TB/HB Vent.</p>	<p><b>MS No. 9 Figure 8.5.2</b></p>
1125	<p><b>A GENERAL EMERGENCY is declared based on Initiating Condition CG1, "Failure to initiate or complete a successful shutdown, AND indication of an extreme challenge to the ability to cool the core".</b> Classification is based on a scram occurring, the Rx is NOT shutdown, Suppression Pool temperature is &gt;110°F, and entry into the UNSAFE region on the Heat Capacity Limit (HCL) curve.</p> <p>Dose projections based on the postulated offsite release do not justify exceeding the default EVACUATE protective action recommendation (PAR) for a General Emergency.</p>	
1225	<p>Motor Feed Pump (MFP), 1N27-C004, trips on low lube oil pressure. RPV levels starts to decrease. CRD pumps now serve as the only means of high-pressure make-up to the RPV. Operators are unable to emergency depressurize per PEI-B13 (ATWS).</p>	<p><b>MS No. 10</b></p>
~1230	<p>RPV level drops below the top of active fuel (TAF), 0".</p> <p>Per PEI-B13 (ATWS), Operators will initiate HPCS if it is determined that RPV level can NOT be maintained greater than -25" AND &lt;2 SRVs are open.</p>	

**2000 PERRY EVALUATED EXERCISE  
6.2 ONSITE SEQUENCE OF EVENTS**

<b>Approximate Time</b>	<b>Key Events</b>	<b>Reference</b>
1235	Containment and TB/HB Vent radiation monitors increase drastically as a result of HPCS injection or when RPV level approaches -25". [NOTE: Per PEIs, adequate core cooling can NOT be ensured under ATWS conditions if RPV level decreases below -25".]	
1250	Offsite protective action recommendation (PAR) is revised based on actual vent radiation monitor readings.	
1320	The SLC 'B' Pump is restored. Boron injection into the RPV is initiated to bring the Reactor subcritical.	
1335	Safety-Related Instrument Air Header 'B' is returned to service, and ADS capability is restored to 4 SRVs.  Per PEI-B13 (ATWS), HPCS is secured and emergency depressurization of the RPV is initiated. The driving force for the offsite release into the Steam Tunnel via RCIC is eliminated.	
~1340	Repairs to the MCC EF1D07 completed. The RCIC Steam Supply Inboard Isolation Valve is successfully closed isolating the RCIC System.	
1415 - ~1500	Emergency Phase terminated onsite. Commence onsite Recovery discussions.	

## **SECTION 6.3**

### **OFF-SITE SEQUENCE OF EVENTS**

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

Date Time	PNPP Key Events and Actions	Ohio Response	County and Local Agencies Response
3/20/00 1800			(L) Out-of-sequence demonstration. Lake County FMTs inventory of equipment supplies - Lake EOC Parking lot.
1830			(L) Out-of-sequence demonstration. Monitoring/Decontamination (M/D) of the public is demonstrated by Kirtland FD at Kirtland High School.  (L) Out-of-sequence demonstration. Congregate Care Center operations are demonstrated by the Red Cross at Kirtland High School.
1900			(L) Out-of-sequence demonstration. Back-up Route Alerting is demonstrated by Leroy Township FD.
3/21/00 0700	Initial conditions are established. In-sequence exercise commences.		
0720	Safety relief valve sticks open. RHR "B" loop minimum flow valve fails to close.		
0750	Fire in RHR "A" Pump Room. Perry Twp. Fire Department notified.		(L) Perry Twp. Fire Department responds to PNPP.

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0753	A Plant worker falls and sprains his ankle and suffers a radiologically contaminated laceration of the arm.		(L) Perry Twp. Fire Department responds with ambulance to PNPP.
0800	<p>An ALERT is declared due to a fire potentially affecting safe shutdown. Notifications to the State and counties are made. The Technical Support Center and the Operations Support Center are activated.</p> <p>The PIRT (Public Information Response Team), an activity co-located with the EOF, will be activated at this time. The PIRT will function until the JPIC becomes operational.</p>	<p>The Ohio State Highway Patrol receives the notification and notifies selected State agencies and personnel. Ohio EMA partially activates the State EOC in Columbus. ODH dispatches assessment personnel to the State EOC. Dispatch of Field Monitoring Teams is simulated (FMTs are prepositioned). Inspection and inventory of FMTs equipment and supplies commence in the parking lot of the Lake County EOC.</p>	<p>The Sheriff's Departments, or the counties' EMAs, of Ashtabula, Geauga, and Lake Counties receive the notification and activate or notify stand-by agencies and individuals per their respective procedures. Counties utilize telephones, radios, and pagers per procedures.</p> <p>(L) Two Lake County field-monitoring teams are assembled at the Lake County EOC and when ready may be dispatched to field locations.</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0815		<p>Ohio EMA simulates dispatch of Ohio National Guard helicopter to deliver state assessment personnel to the EOF and PI personnel to the JPIC. (These personnel are prepositioned.)</p> <p>Ohio EMA notifies ONG, who then dispatch personnel to the three county EOCs.</p> <p>Ohio EMA simulates dispatch of representatives to the counties' EOCs. (These personnel are prepositioned.)</p> <p>Ohio EOC simulates dispatch of the Communication Van (OEMA), and the Sample Screening Print (ODII). All of these people are prepositioned.</p>	<p>Per procedures, selected EOC staff personnel report to their respective EOCs and commence assigned duties.</p> <p>(L) Lake County will place a call to the Common Program Control Station (WGAR) and place them on stand-by status.</p> <p>(L) Perry Township FD personnel at PNPP receive from PNPP fire brigade personnel a contaminated and injured patient and demonstrate handling, care, and transport of the patient.</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0845		If the JPIC is activated, the State PIO begins coordinating releases of information to news media at the JPIC with PIOs of participating agencies upon their arrival at the JPIC.	<p>(L) The Perry Township FD personnel transport the patient to the Lake East Hospital ER personnel, who demonstrate decontamination and care of the patient.</p> <p>If the EOF is activated the counties may send a representative there.</p> <p>If the JPIC is activated the counties may send their PIOs to commence with public information duties there.</p>



**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0920	Loss of Control Room annunciators. Actions are taken to stabilize the plant and augment staff to monitor plant indicators.		
0935	<p>A SITE AREA EMERGENCY (SAE) is declared due to sabotage inside a plant Vital Area.</p> <p>If not already activated, the Emergency Operations Facility (EOF) and the Joint Public Information Center (JPIC) are activated.</p> <p>The Technical Support Center (TSC) Security Coordinator calls the Lake County EOC and requests traffic control to assist with evacuation of non-essential personnel from the PNPP Site. Evacuation of non-essential personnel is simulated.</p>	<p>Ohio EOC receives notification of the SAE declaration over the 5-way dedicated phone link in the assessment room. Notification begins to agencies not yet activated to respond to the State EOC for the duration of the emergency.</p> <p>The Office of the Governor declares that a "State of Emergency" exists, and directs full activation of the State EOC and Ohio National Guard.</p> <p>Ohio EMA requests from the Federal Emergency Management Agency (FEMA) for support from the DOE and the Coast Guard to include:</p> <ol style="list-style-type: none"> <li>1. Field monitoring for noble gas and iodine.</li> <li>2. Field sampling, including analysis to determine particulate depositions.</li> </ol>	<p>Lake, Ashtabula and Geauga Counties receive notification of the SAE declaration over the 5-way dedicated phone.</p> <p>EOC personnel not yet in the EOC are notified and asked to report for duty.</p> <p>The counties' EOC Executive Groups ensure that a "State of Emergency" is declared and that planned state assistance is activated.</p> <p>Ashtabula, Geauga, and Lake counties each demonstrate actual notifications to all of their respective response agencies. (Police and Fire Department, School Districts, Hospitals, county agencies, and selected others). NOTE: This is the only full notification demonstrated by the counties.</p> <p>Field response agencies assemble personnel and equipment (Simulated; also, see out-of-sequence play).</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0935		<p>3. Logistic support for Federal response.</p> <p>4. Notification support for Lake Erie.</p> <p>ODH and Ohio Dept. of Agriculture makes an initial recommendation on livestock and poultry.</p> <p>Consolidated Railways (CONRAIL) and Norfolk &amp; Southern Railways are notified to restrict rail traffic in the 10-mile EPZ. (Simulated)</p> <p>Federal Aviation Administration (FAA) is notified to restrict air traffic in the 10-mile EPZ. (Simulated)</p> <p>Communication links are established among the State EOC, the EOF (State's liaison), and the JPIC (State's PIO); back-up means are provided by the Communication Van.</p>	<p>Traffic Control points are planned and coordinated in EOCs.</p> <p>(L) Lake County Field Monitoring Teams, if not already in field locations, are dispatched to appropriate field locations.</p> <p>Monitoring/decontamination station (center) teams, once assembled and ready may move to assigned locations (Simulated, see out-of-sequence play).</p> <p>EOCs demonstrate the ability and the availability of the resources necessary to effect evacuation of people with special needs.</p> <p>Public Information Hotlines (rumor control) in the EOCs begin receiving calls.</p> <p>Care Center personnel report to assigned care centers (simulated; see out-of-sequence play).</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0935		<p>The State's two Field Monitoring Teams will begin demonstration of procedures related to field movements. The State Representative in the Lake County EOC will direct the teams to appropriate locations. The starting point will be the Lake County EOC.</p> <p>Rumor Control begins receiving calls.</p>	
1125	<p>A GENERAL EMERGENCY is declared due to failure to initiate or complete a successful shutdown, AND indication of an extreme challenge to the ability to cool the core. The State and counties are notified. Notification includes protective action recommendations.</p>	<p>State Assessment team receives notification of the GENERAL EMERGENCY and takes the utility's recommendations under advisement. The team formulates the State's recommended protective actions, obtains Governor's (or designated representative in EOC) approval and informs the counties of the Governor's recommendations via the Executive Discussion Line.</p> <p>Appropriate officials/agencies/media are informed of change in status.</p> <p>ODH Sample Screening Point personnel, at Ledgemont Elementary School, Thompson Twp., will simulate handling of environmental samples.</p> <p>State Assessment Team begins continuous monitoring of emergency workers exposure.</p>	<p>Counties' Executive Groups are informed of the plant's change in status and the utility's recommendations for protective actions. Counties Executive Groups commence deliberation via the Executive Discussion Line (EDL).</p> <p>Counties simulate notifications to all field agencies.</p> <p>Care centers are fully activated. (Simulated; see out-of-sequence play.)</p> <p>Monitoring /decontamination stations for emergency workers and monitoring/decon centers for public are activated, if not already activated. (Simulated, see out-of-sequence play).</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
1145			<p>A three county coordinated Protective Action Decision with the State is made via the EDL.</p> <p>(L) Lake County assembles an EAS message, simulates the sounding of sirens, and delivers the message to WGAR radio station. WGAR simulates broadcast over the air.</p> <p>(L) Lake County transmits a copy of the EAS message to the JPIC, State EOC, EOF, and the other two counties.</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
1250	PNPP makes a second Protective Action Recommendation based on drastically increased vent radiation monitor readings.	<p>The State Dose Assessment Group conducts dose assessment based on the increased vent monitor readings and then delivers a new Protective Action Recommendation to the counties via the Executive Discussion Line.</p> <p>ODA and ODH make additional recommendations on livestock and poultry.</p>	<p>The three counties receive the new Protective Action Recommendations from PNPP and the State and arrive at a second Protective Action Decision.</p> <p>(L) Lake County assembles a second EAS message, simulates siren sounding and orally delivers the EAS message to WGAR radio station where it is recorded but not broadcast. WGAR personnel describe the procedure for broadcast of the message over the air.</p> <p>(L) Lake County transmits a copy of the EAS message to the State EOC, JPIC, EOF, and the other two counties.</p>
1320	Boron is injected into the Reactor Pressure Vessel (RPV).		
1335	RPV is depressurized.		
~1400	The release plume has dissipated. PNPP terminates Emergency Phase. On-site recovery discussions begin.		

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
1430		State of Ohio terminates exercise demonstration.	Ashtabula, Geauga, and Lake counties terminate exercise demonstration.
1900			(L) Out-of-sequence demonstration. M/D of Emergency Workers (EW) is demonstrated by the Mentor FD at the Mentor H.S. Football Stadium.
1900			(A) Out-of-sequence demonstration. Congregate Care Center operations are demonstrated by the ARC at the Rowe Middle School in Conneaut.  (A) Out-of-sequence demonstration. M/D of the public is demonstrated by the Conneaut FD at the Rowe Middle School.
<u>3/22/00</u> 0900			(G) Out-of-sequence demonstration. Interview of the Ledgemont SD Superintendent, High School Principal, Transportation Supervisor, and bus driver at the Ledgemont Elementary School.

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
0930			<p>(L) Out-of-sequence demonstration. Interview of Painesville Twp. SD Superintendent, High School Principal, Transportation Supervisor, and Bus Driver at Board of Education Office.</p>
1100			<p>(L) Out-of-sequence demonstration. Interview of Painesville City SD Superintendent, High School Principal, Transportation Supervisor, and Bus Driver at Board of Education Office.</p>
1300			<p>(G) Out-of-sequence demonstration. Traffic/Access Control Point is demonstrated at SR 608 and US 6 in Hambden by the Geauga County Sheriff's Office.</p> <p>(L) Out-of-sequence demonstration. A Traffic/Access Control Point is demonstrated at US Route 20 and Fairgrounds Road by Lake County Sheriffs Dept.</p> <p>(A) Out-of-sequence demonstration A Traffic/Access Control Point is demonstrated at I-90 and SR 534 by Ohio Highway Patrol.</p>

**2000 PERRY EVALUATED EXERCISE  
6.3 OFFSITE SEQUENCE OF EVENTS  
March 20, 21, and 22, 2000**

<b>Date Time</b>	<b>PNPP Key Events and Actions</b>	<b>Ohio Response</b>	<b>County and Local Agencies Response</b>
1900			<p>(G) Out-of-sequence demonstration. Congregate Care Center operations are demonstrated by the ARC at the Cardinal H.S.</p> <p>(G) Out-of-sequence demonstration. M/D of the public is demonstrated by the Middlefield FD at the Cardinal H.S.</p> <p>(A) Out-of-sequence demonstration. Geneva-on-the-Lake FD demonstrates Back-up Route Alerting.</p>



**SECTION 6.4**  
**USE OF SIMULATOR AND ICS**

**2000 PERRY EVALUATED EXERCISE**  
**6.4 SIMULATOR OPERATIONAL GUIDELINES**

**USE OF SIMULATOR AND ICS**

During the 2000 Evaluated Exercise, the Perry Plant Simulator will be programmed to provide real time data to the Simulator panels and designated Integrated Computer System (ICS) terminals located in certain Perry Plant Emergency Response Facilities. Table 6.4 outlines the operational guidelines, which will be utilized by the Controller Organization to program the exercise events into the Simulator computer.

A networking arrangement will connect designated ICS "drill" terminals in the Technical Support Center (TSC), Operations Support Center (OSC), and the Emergency Operations Facility (EOF) to the Simulator's ICS computer. Exercise participants in these facilities will utilize ICS, which is their normal data acquisition method, to access scenario operations and radiation data.

In the event of failure of the Simulator ICS computer or networking arrangement, the TSC and EOF will establish an alternate telephone loop with the Control Room Simulator to acquire plant operational data. The Control Room staff will continue to assess plant conditions using the instrumentation and annunciators located on the Simulator panels.

If a "non-fatal" simulator error occurs, controllers may be able to reprogram the simulator to the time just prior to the error. This will result in the exercise being suspended for about 2 minutes. This action should not affect exercise conduct. When a failure or malfunction occurs in the Simulator processing computer, data sheets described in Section 7.1 of the Exercise Manual will be utilized in the Simulator, TSC and EOF.

**2000 PERRY EVALUATED EXERCISE**  
**6.4 SIMULATOR OPERATIONAL GUIDELINES**

**SCENARIO SETUP**

NOTE: Files on TGIS (FILE\DATABOOK\BATCH\EPLANHCD)  
Tie in the MSL Rad. Monitors & Cntmt Vent Exh. Rad Monitors  
Reload RT Executive 40,2 from user EPLAN

NOTE: For ICS & simulator to be in sync with respect to time, DO NOT put  
simulator in FREEZE after going to RUN.

1. **Reset to IC 78, verify/establish the following conditions:**
  - a) RFPT 'B' on SULC, RFPT 'A' on Manual Speed Control Dial.
  - b) SLC 'A' Out-of-Service Switch in "INOP"
  - c) AEGTS Train 'B' in service
  - d) AEGTS Train 'A' switch in "INOP"
2. **Close 1P57-F015B and 1P57-F020B BEFORE executing the Batch File.**
3. **Execute batch file "EPLANHCD". Verify items in Attachment 1 of this section.**
4. **Hang red tags on:**
  - a) M15A Fan and Heater Control Switches
  - b) SLC Pump 'A' Keylock Switch
  - c) P57-F015B Control Switch
  - d) P57-F020B Control Switch
4. **Perform the following actions at instructor area back terminal:**
  - a) Push F6
  - b) Owner name: "LOAD" RETURN RETURN
  - c) TSM: "ISD V" RETURN
  - d) Path: "HCD" RETURN
  - e) EXECUTIVE: "RTEX30,3" RETURN
  - f) ISD: "DCM" RETURN
  - g) ISD: "PAGE 1" RETURN
  - h) ISD: "D ADKSRVMINPRESS" RETURN
5. **Verify info tag file inserted**

**2000 PERRY EVALUATED EXERCISE**  
**6.4 SIMULATOR OPERATIONAL GUIDELINES**

**SCENARIO OPERATIONAL GUIDANCE**

<u>TIME</u>	<u>ACTION</u>	<u>NOTES</u>
0700	Place Simulator in "RUN" Activate CAEP EPLAN_METDATA	Scenario start time
0720	Initiate trigger E1 (SRV F051D Leakage)	Adjust leakage severity to 10%, When 1E12F064B fails to close, adjust severity to 5%
0751	Initiate trigger E2	High RHR Room temperature alarms, two minutes later RHR 'A' pump trips
~0753-0759	Initiate trigger E3	Removes RHR Room high temperature alarms. To be initiated upon report that fire is out.
0830	Initiate trigger E4	RC&IS lockup, loss of control rod movement.
0920	Initiate trigger E5	Loss of D1A06 (annunciators), after 55 minute delay P57 'A' Hdr. Pressure decreases to '0' psig
~0950	Delete malfunction MV05:1E12F0064B	Remove malfunction when repairs to valve have been completed, or Override the RED and GREEN lights off, and remove the malfunction if the valve is manually isolated.
~1005	Initiate trigger E17	Deletes RC&IS failure, initiation of this trigger needs to be coordinated with in-field controller
1015	None	P57 'A' header depressurizes with 5 minute ramp to 0 psig
~1030	Delete malfunction ED17D	Remove malfunction when repairs to D1A06 are completed.

**2000 PERRY EVALUATED EXERCISE**  
**6.4 SIMULATOR OPERATIONAL GUIDELINES**

<u>TIME</u>	<u>ACTION</u>	<u>NOTES</u>
1045	Initiate trigger E6	Instrument air leak in containment causes a scram and MSIV isolation. 5 seconds after the parallel header reaches 50#, the INST VOL NOT DRAINED annunciator will alarm
1046-1053	At back simulator terminal type "S 1 300"	Perform this action within 1-2 minutes after MSIV isolation. This prevents all SRV actuation with exception of the Safety Mode. (SRVs will cycle a few times first)
~1053	None	SLC Pump 'B' fails upon start signal.
1105	Initiate trigger E8 (RCIC Steam in Stm Tunnel)	E51-F064 fails and radiation monitors start to ramp up.
1110	Initiate trigger E14	Causes RCIC isolation signal but E51-F063 fails to close.
1225	Initiate trigger E9 <u>and</u> adjust severity of malfunction RV02:1B21F0051D to 50%	Motor Feed Pump trips on low lube oil pressure <u>and</u> SRV F051D opens, causing level to decrease.
1230-1235	At 0" RPV level or if HPCS is initiated, initiate trigger E15	Containment and TB/HB radiation monitors increase drastically. If necessary, adjust SRV F051D leakage.
~1320	Toggle RF SL12 to CLOSE	Closes breaker for SLC pump "B"
1330	Adjust malfunction RV02:1B21F0051D to stabilize RPV pressure less than 1050#	Important to be less than safety relief setpoints prior to next step.
~1330	Read Override File (ror) P57Lights	When tags are cleared on P57 valves.
1334	Initiate trigger E7	Fails all SRVs closed except F051D.
1335	At back simulator terminal type "S 1 75"	Allows operation of 4 SRVs after next step.

**2000 PERRY EVALUATED EXERCISE**  
**6.4 SIMULATOR OPERATIONAL GUIDELINES**

<u>TIME</u>	<u>ACTION</u>	<u>NOTES</u>
1335	Initiate trigger E13	ADS 'B' Header SRVs returned to operation.
1337-1340	Initiate trigger E16	Radiation monitors start to ramp down.
1340	Delete malfunctions MV06:1E51F0063 BS02:1E31N0683A BS02:1E31N0683B	Remove malfunction when repairs to E51-F063 are completed.
1415-1530	Place simulator in freeze	End of scenario Ensure all Lead Controllers have determined that objectives have been evaluated.
1530-1630	Restore normal simulator training load. Restore simulator communications switch to the training mode, notify the control room unit supervisor.	

## **SECTION 7.0**

### **MESSAGES/PLANT DATA**

#### **Contents of this Subsection:**

**Section 7.1 - Player/Controller Message Summary**

**Section 7.2 - Plant Data Database (ICS)**

**Section 7.3 - EP INFO Line Database**

**2000 PERRY EVALUATED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

This subsection contains a listing of messages that may be used by controllers to interject information, prompt play actions, or control the progress of the scenario. The individual message forms are to be handed out in accordance with the instructions in the Controllers Notes on Table 7.1. An example of the message format used is contained on Figure 7.1.

The various types of messages used to coordinate exercise play are as follows:

- o Contingency messages are noted with a number followed by the letter "C" (e.g., 10C). Contingency messages are delivered only if certain predetermined conditions identified in the "Controller Notes" have been met.
- o Simulator Messages are noted with a number followed by the letter "S" (e.g., 12S). Simulator messages are delivered to the Simulator operators only if the Simulator is not operable.
- o Other messages are handed out per the instructions listed in the "Controllers Notes" portion on Table 7.1 or are for information for the Exercise Controllers.
- o Other information which may be given to a Participant only if earned is provided in the individual Mini-scenarios.
- o Messages to Controllers are for information only. Message forms are not printed for these.



**2000 PERRY EVALUATED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

**\*\* THIS IS A DRILL \*\***

Time: 0915  
Message No: 14

2000 PERRY EVALUATED EXERCISE

**EXAMPLE MESSAGE FORM**

Message For: SAS

Message: The following alarm is received on the Fire Alarm Computer.

710.03 AL FIR SO/HD's: 574' I.B; ACCESS AREA.SDP H51-P927 599CC C-5

**\*\* THIS IS A DRILL \*\***

Figure 7.1

**2000 PERRY EVALUATED EXERCISE  
7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

MESSAGE No:	TIME	MESSAGE FOR	MESSAGE	CONTROLLERS NOTES	ACTIONS EXPECTED
1	0630	Simulator Controllers	<p>Verify the following:</p> <ol style="list-style-type: none"> <li>1. The Simulator communication switch is in "E-Plan" Mode</li> <li>2. Contact the Control Room to have them unplug: <ul style="list-style-type: none"> <li>- 3-Way Circuit</li> <li>- STA Ringdown</li> <li>- Auto-Dialer</li> </ul> </li> </ol>		
2	0630	Control Room Staff	<p>Refer to sheets for turnover briefing:</p> <ul style="list-style-type: none"> <li>• Unit 1 Daily Status Report</li> <li>• Shift Turnover Sheets</li> <li>• LCO Tracking Logs</li> <li>• Tag Out Sheets</li> </ul>	<ol style="list-style-type: none"> <li>1. The most recent chemistry analyses are located in Section 8.2, Provide the data if participants request additional chemistry information.</li> <li>2. If participants request meteorological information and describe how they would access it, provide the information from Section 8.3.</li> <li>3. See the appropriate mini-scenarios for details on the following equipment which is out of service: <ol style="list-style-type: none"> <li>a. Repairs to Safety-related Instrument Air Header 'B' Header Isolation Valve 1P57-F015B. Mini- Scenario No. 1.</li> <li>b. Standby Liquid Control Pump, 1C41-C001A: Mini-Scenario No. 2.</li> </ol> </li> <li>4. If the simulator is not in operation for the exercise, see Message No. 3S.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review initial conditions and ensure all understand them.</li> </ol>
3S	0700	Control Room	<p>See Attached Sheets for Initial Plant Conditions:</p> <ul style="list-style-type: none"> <li>•Control Room Annunciators</li> <li>•Plant Technical Data Screen</li> <li>•Plant Overview Screen</li> <li>•Radiation Data Summary Screen</li> </ul>	<p>The referenced data sheets are to be given to the control room staff only if the Simulator is not operable for the exercise.</p>	

**2000 PERRY EVA. STATED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

4	0700	Simulator Shift Supervisor	<p>1. Notify the Control Room Shift Supervisor of the commencement of the Exercise.</p> <p>2. Make the following PA announcement:</p> <p>"Attention, attention all personnel; we are now commencing the 2000 Emergency Preparedness Exercise. All announcements prefaced by 'This is a drill' are for designated participants only.</p> <p>Plant PA Channel 4 and Plant Radio Channel 2 should be used for all in-plant communications being directed to the Simulator Control Room. Minimize use of these channels for non-drill activities."</p> <p>Repeat the announcement.</p>	<p>1. Controller to verify that the Simulator Shift Supervisor notifies the on-shift Control Room Shift Supervisor of the commencement of the Exercise.</p> <p>2. Verify that the PA announcement is made.</p> <p>3. If Radio Channel 2 and/or PA Channel 4 are used frequently by non-exercise participants, repeat the message as needed.</p>	
5	0750	Simulator SAS	<p>The following alarm is received on the Fire Alarm Computer:</p> <p>911.01 AL FIR 9 - SD'S:</p> <p>For E. RHR RMS</p> <p>ALL LVLS AUX-1</p> <p>SDP P929 IB620 D-2</p>	<p>1. If the SAS Operator goes to the VAX to pull up alarm descriptions, hand out message Number 6X.</p>	
6X	0750+	Simulator SAS	<p>The following information is available on the VAX.</p> <p><u>Smoke Detector Panel:</u></p> <p>Address Number                    911.01  Device Type                            SD  MPL Number  Drawing Number  Location                                IB  Elevation                                620</p>	<p>Deliver this message only if the SAS Operator goes to the VAX for additional alarm indications.</p>	
7X	0810	Shift Supervisor	<p>Declare an ALERT (EPI-A1, Initiating Condition FA1, "Fire affecting the operability of plant safety systems required to establish or maintain safe shutdown".</p>	<p>Deliver this message <u>only if</u> the Shift Supervisor has not declared an ALERT by now or if discussions regarding classification will not draw to the appropriate conclusion soon.</p>	<p>The Shift Supervisor / Emergency Coordinator should:</p> <ol style="list-style-type: none"> <li>1. Implement EPI- A6, "TSC Activation", and -A7, "OSC Activation" and PIRT should be directed to be activated.</li> <li>2. Make notifications as required.</li> <li>3. Monitor the situation.</li> </ol>

**2000 PERRY EVA. ATED EXERCISE  
7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

8	0820	ENS Ckt. Phoner	<p>Read the following message over the Drill ENS Circuit:</p> <p><u>"This is a Drill. You are directed to maintain an open line over the ENS Circuit at this time <u>This is a drill.</u>"</u></p>	<p>This message is to be transmitted over the ENS Circuit upon waiting a finite period after the NRC/ENS Controller receives an initial notification of the Alert. This delay is utilized to duplicate the time period in which the NRC Operations Officer would be required to complete internal NRC notifications.</p>	<p>If responsibility for the ENS circuit has not yet been transferred to the TSC, the communicator in the Control Room shall maintain an open line over the ENS circuit at this time.</p> <p>Responsibility for the ENS circuit will then be transferred to the TSC, and an open line will be maintained by the TSC throughout the remainder of the drill.</p>
9X	0900	"5-Way" Communicators	<p>This is a drill. Representatives from the Ohio Emergency Management Agency and Ohio Department of Health have been dispatched to the Perry Plant site via Ohio National Guard Helicopter. Estimated time of arrival is 1000 hours.</p> <p><u>This is a drill.</u></p> <p>NOTE: response via helicopter will only be simulated.</p>	<p>This message is to be given to the "5-Way" Communicator only if notice has not yet been provided by the OEMA over the "5-Way" Circuit.</p>	<p>The TSC Security Coordinator should simulate Site Protection response to the helicopter's arrival; this may include dispatching a Security Officer and a Fire Brigade member to the heliport outside of the EOF</p>
10	0915	Maintenance Coordinator	<p>"Place the TSC Ventilation System on Emergency Recirculation."</p>	<ol style="list-style-type: none"> <li>1. Deliver this message when time permits to the TSC Maintenance Coordinator. This is being done for exercise demonstration purposes only. Projected radiation levels in the vicinity of the TSC would not result in an automatic realignment of the TSC HVAC to the emergency recirculation mode.</li> <li>2. Do not interfere with the TSC Maintenance Coordinator duties.</li> </ol>	

**2000 PERRY EVA. ATED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

11	0920	HPN Ckt. Phoner	<p>Read the following message over the Drill ENS Circuit:</p> <p><u>"This is a drill.</u> You are directed to initiate an open line over the Health Physics Network. Keep the HPN line open and manned until further notice. <u>This is a drill."</u></p>	<p>The HPN Controller is to maintain the HPN line opened to the TSC, and EOF once operational, for the remainder of the exercise.</p>	<ol style="list-style-type: none"> <li>1. The ENS Communicator in the TSC receiving this message should notify the Administrative Assistant of the NRC Request. The Administrative Assistant should in turn advise the TSC Radiation Protection Coordinator (RPC).</li> </ol> <p>The RPC will assign an HP Technician from the OSC to HPN, or request that an I&amp;C Technician be used as a Communicator.</p> <ol style="list-style-type: none"> <li>2. Once the EOF is operational, the RPC should inform the EOF Offsite Radiation Advisor that the HPN be open for the transfer of dose assessment information to the NRC.</li> </ol>
12	0935+	Drill Shift Supervisor / Central Alarm Station	<p>The following message (for Exclusion Area Page/Plant PA/) shall be read in place of the pre-recorded site accountability message:</p> <p><u>"This is a Drill."</u> Attention all site personnel. Accountability is now in effect within the Unit 1 Protected Area only. Personnel performing a plant operating or emergency plan function must report their location to the Control Room or appropriate emergency facility. All other personnel must exit the Protected Area using normal exiting procedures. <u>This is a Drill."</u></p>	<ol style="list-style-type: none"> <li>1. Under no circumstances shall the pre-recorded accountability message on the Exclusion Area Paging System be activated.</li> <li>2. <u>Delay handing out message until a Site Area Emergency has been declared and communicated to the Shift Supervisor.</u></li> </ol>	<ol style="list-style-type: none"> <li>1. TSC Operations Manager should initiate personnel accountability by directing the Drill Shift Supervisor and the Central Alarm Station (CAS) to make the designated announcement over the Exclusion Area Paging System.</li> <li>2. This message shall be repeated by the Simulator and CAS every 5 minutes over the Exclusion Area Page System until accountability is complete.</li> </ol>

**2000 PERRY EVA. ATED EXERCISE  
7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

					3. Plant personnel evacuating the Protected Area will be detained in PACP Parking lot until accountability is complete.																
13X	0950	TSC Operations Manager	Declare a SITE AREA EMERGENCY (EPI-A1, Initiating Condition NS1, "Security Event in a plant Vital Area."	<p>Deliver this message to the TSC Operations Manager only if a SITE AREA EMERGENCY has not been classified by now or if discussions will not draw to the appropriate conclusion soon.</p> <p>Message No. 12 concerning the drill accountability message for the Exclusion Area Paging must also be implemented.</p>																	
14	1000	ENS Ckt. Phoner	<p><u>This is a drill.</u> "Please inform Perry Nuclear Power Plant Management that the NRC Region III Site Team has been dispatched to your site. Please make appropriate arrangements for our staff. Expected arrival time is 1400. <u>This is a drill.</u>"</p>	<p>1. Deliver this message via the ENS telephone at approximately this time.</p> <p>2. <u>Deployment of a "mock" NRC Site Team will be simulated.</u> However, if asked, NRC is planning to dispatch the following Site Team members:</p> <table border="0"> <thead> <tr> <th>Title</th> <th>Will Locate At</th> </tr> </thead> <tbody> <tr> <td>Team Leader</td> <td>EOF</td> </tr> <tr> <td>Protective Measures Coordinator</td> <td>EOF</td> </tr> <tr> <td>Reactor Safety Coordinator</td> <td>EOF</td> </tr> <tr> <td>Governmental Liaison Coordinator</td> <td>EOF</td> </tr> <tr> <td>Operations Coordinator</td> <td>TSC</td> </tr> <tr> <td>Radiation Safety Coordinator</td> <td>TSC</td> </tr> <tr> <td>Security / Safeguards Coordinator</td> <td>TSC</td> </tr> </tbody> </table> <p>3. A Controller should inform any Site NRC personnel participating in the exercise about this message.</p>	Title	Will Locate At	Team Leader	EOF	Protective Measures Coordinator	EOF	Reactor Safety Coordinator	EOF	Governmental Liaison Coordinator	EOF	Operations Coordinator	TSC	Radiation Safety Coordinator	TSC	Security / Safeguards Coordinator	TSC	1. Security / Plant Management should make appropriate arrangements.
Title	Will Locate At																				
Team Leader	EOF																				
Protective Measures Coordinator	EOF																				
Reactor Safety Coordinator	EOF																				
Governmental Liaison Coordinator	EOF																				
Operations Coordinator	TSC																				
Radiation Safety Coordinator	TSC																				
Security / Safeguards Coordinator	TSC																				

**2000 PERRY EVA STATED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

15	1030	EOF Manager	"Place the EOF Ventilation System in Emergency Isolation Mode."	<ol style="list-style-type: none"> <li>1. Deliver this message when time permits to the EOF Manager. This is being done for exercise purposes. Radiation levels do not require placing the Ventilation System on Recirculation mode.</li> <li>2. Do not interfere with the EOF Manager's duties.</li> </ol>	
16	1140	Corporate Liaison	<p>The JPIC is receiving a number of telephone inquiries from shareholders. These are some of their concerns:</p> <ul style="list-style-type: none"> <li>° What are employees being advised regarding their stock?</li> <li>° How many employees own stock? How much? What percent of total outstanding stock is that?</li> <li>° Is NYSE still trading our stock?</li> <li>° How much is our stock valued at now? What was it this morning?</li> <li>° Who's in touch with the NYSE?</li> </ul> <p>You are requested to formulate a strategy to deal with shareholder concerns.</p>		
17X	1140	Emergency Coordinator	Declare a <b>GENERAL EMERGENCY</b> (EPI-A1, Initiating Condition CG1, "Failure to initiate or complete a successful shutdown, AND indication of an extreme challenge to the ability to cool the core".	Deliver this message to the Emergency Coordinator <u>only</u> if the Emergency Coordinator has not declared a GENERAL EMERGENCY by now <u>or</u> if discussions will not draw to the appropriate conclusion soon.	<p>The Emergency Coordinator should:</p> <ol style="list-style-type: none"> <li>1. Escalate to a "GENERAL EMERGENCY" per EPI-A2.</li> <li>2. Make Notifications</li> <li>3. Recommend default protective actions</li> </ol>
18	1200	Emergency Coordinator	"This is John Stetz. I want you to know that we at FENOC will do all we can to support you. What do you need? How can we help? Can you briefly describe what happened?"	<ol style="list-style-type: none"> <li>1. Controller is to act as Mr. Stetz.</li> <li>2. Controller can free play additional questions as appropriate.</li> </ol>	

**2000 PERRY EVALUATED EXERCISE  
7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

19	1200	Corporate Liaison	<p>Human Resources Department has been receiving several phone calls from employees or their spouses about the following;</p> <ul style="list-style-type: none"> <li>• How will I know if I should show up for work at the Plant?</li> <li>• Will I be paid if I am told not to show up?</li> <li>• If the plant does not start up again, will I still be employed?</li> <li>• Will the Company use this as a method of getting rid of</li> <li>• Are employees eligible for unemployment if the area of the plant they work is not accessible?</li> </ul> <p>Can you help us address this situation?</p>		
20	1230	CEI Telephone Operator (622-9800)	" I heard that you are setting up a press center for the news media. I want to talk with them. What is their number?"	A controller is to call in this message acting as a Boston Globe reporter.	
21	1315	OSC Coordinator, TSC Admin Assistant EOF Manager JPIC Manger	"Develop a relief shift roster. This is being implemented now for exercise purposes."	Deliver this message between 1430-1515 so as not to interfere with facility operations.	Relief shift rosters should be developed.
22	1330	EOF Manager	<p>You have just received the following FAX from Pete Burg. He is holding an emergency briefing of the First Energy Board. In preparation for this meeting, he needs the following:</p> <ol style="list-style-type: none"> <li>1. A brief synopsis of the accident.</li> <li>2. Problems encountered; resolutions.</li> <li>3. Status of plant; prognosis. When will the plant be returned to service?</li> <li>4. Status of off-site actions and response; prognosis.</li> <li>5. Amount of radiation released: total</li> </ol>	An EOF Controller should leave this message on the EOF FAX machine.	Determine responses and FAX by 1500.



**2000 PERRY EVALUATED EXERCISE  
7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

			<p>amount and amount vs. time. Health effects of same.</p> <p>6. Status of plant employees. Any injuries or deaths?</p> <p>7. Status of media response and coverage.</p> <p>a. Summary of types of media questions.</p> <p>b. What media are covering this. How many? Are any media at the site?</p> <p>c. What state, local and federal agencies are at media center?</p> <p>d. How is it going? How do we look?</p> <p>8. List of key facilities, managers and key staff. What Non-CEI personnel are on CEI property.</p> <p>9. What does Perry need? Support, personnel, equipment.</p> <p>0. Other pertinent information for the board.</p> <p>The Board meeting is scheduled for 1530. Please submit written notes by FAX (280-8009) by 1500.</p>		
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**2000 PERRY EVA. PLANNED EXERCISE**  
**7.1 PLAYER/CONTROLLER MESSAGE SUMMARY**

23	1400	TSC Administrative Assistant	Return the TSC Ventilation to its normal lineup.	Deliver this message to the TSC Administrative Assistant at this time. Do not let this message interfere with the TSC Administrative Assistant's other actions; however, Controller must ensure that the system is re-aligned prior to the termination of the exercise.	
24	1400	Simulator Controllers	Verify the following:  1. The Simulator communications switch is in the "Training" mode.  2. Contact the Control Room to have them plug in: - 3-Way Circuit - STA ringdown - Auto-Dialer	Notify lead controllers in the TSC, OSC, and EOF that the Simulator Control Room has terminated play.	
25	1430	EOF Manager	Return the EOF Ventilation to its normal lineup.	Deliver this message to the EOF Manager. Do not let this message interfere with the EOF Manager's other actions; however, the Controller must ensure that the system is re-aligned prior to the termination of the exercise.	

## **SECTION 7.2**

### **PLANT DATA DATABASE (ICS)**

**The following is the Plant Data Database used to generate the Plant Data Sheets as a function of time to be used in the event of a Simulator failure. This data was acquired utilizing the Perry Plant Simulator.**

**This section contains:**

**Table 7.2.1 - Plant Technical Data Trends**

**Table 7.2.2 - Plant Overview Data Trends**

**Table 7.2.3 - Radiation Data Summary Trends**

**Table 7.2.4 - Key Control Room Annunciator Summary**

**Table 7.2.1**

**PLANT TECHNICAL DATA TRENDS**

**(All technical data trends are shown with the plant  
overview data in Table 7.2.2)**

**Table 7.2.2**

**PLANT OVERVIEW DATA TRENDS**

2000 PERRY EVA TESTED EXERCISE  
TABLE 7.2.2

TIME	LPCI A STATUS E12EK003	LPCI B STATUS E12EK004	LPCI C STATUS E12EK005	SHTDN CLG A E12EK009	SHTDN CLG B E12EK010	CNTMT SPRAY A E12EK011	CNTMT SPRAY B E12EK012	SUPR PL CLG A E12EK013
6:54:59	0	0	0	0	0	0	0	0
6:59:59	0	0	0	0	0	0	0	0
7:04:59	0	0	0	0	0	0	0	0
7:09:59	0	0	0	0	0	0	0	0
7:14:59	0	0	0	0	0	0	0	0
7:19:59	0	0	0	0	0	0	0	0
7:24:59	0	0	0	0	0	0	0	1
7:29:59	0	0	0	0	0	0	0	1
7:34:59	0	0	0	0	0	0	0	1
7:39:59	0	0	0	0	0	0	0	1
7:44:59	0	0	0	0	0	0	0	1
7:49:58	0	0	0	0	0	0	0	1
7:54:58	0	0	0	0	0	0	0	0
7:59:58	0	0	0	0	0	0	0	0
8:04:58	0	0	0	0	0	0	0	0
8:09:58	0	0	0	0	0	0	0	0
8:14:58	0	0	0	0	0	0	0	0
8:19:58	0	0	0	0	0	0	0	0
8:24:58	0	0	0	0	0	0	0	0
8:29:58	0	0	0	0	0	0	0	0
8:34:58	0	0	0	0	0	0	0	0
8:39:58	0	0	0	0	0	0	0	0
8:44:58	0	0	0	0	0	0	0	0
8:49:58	0	0	0	0	0	0	0	0
8:54:58	0	0	0	0	0	0	0	0
8:59:58	0	0	0	0	0	0	0	0
9:04:58	0	0	0	0	0	0	0	0
9:09:58	0	0	0	0	0	0	0	0
9:14:58	0	0	0	0	0	0	0	0
9:19:58	0	0	0	0	0	0	0	0
9:24:58	0	0	0	0	0	0	0	0
9:29:57	0	0	0	0	0	0	0	0
9:34:57	0	0	0	0	0	0	0	0
9:39:57	0	0	0	0	0	0	0	0
9:44:57	0	0	0	0	0	0	0	0
9:49:57	0	0	0	0	0	0	0	0

2000 PERRY EVA .TED EXERCISE

TABLE 7.2.2

TIME	LPCI A STATUS E12EK003	LPCI B STATUS E12EK004	LPCI C STATUS E12EK005	SHTDN CLG A E12EK009	SHTDN CLG B E12EK010	CNTMT SPRAY A E12EK011	CNTMT SPRAY B E12EK012	SUPR PL CLG A E12EK013
9:54:57	0	0	0	0	0	0	0	0
9:59:57	0	0	0	0	0	0	0	0
10:04:57	0	0	0	0	0	0	0	0
10:09:57	0	0	0	0	0	0	0	0
10:14:57	0	0	0	0	0	0	0	0
10:19:57	0	0	0	0	0	0	0	0
10:24:57	0	0	0	0	0	0	0	0
10:29:57	0	0	0	0	0	0	0	0
10:34:57	0	0	0	0	0	0	0	0
10:39:57	0	0	0	0	0	0	0	0
10:49:48	0	0	0	0	0	0	0	0
10:54:48	0	0	0	0	0	0	0	0
10:59:48	0	0	0	0	0	0	0	0
11:04:48	0	0	0	0	0	0	0	0
11:09:48	0	0	0	0	0	0	0	0
11:14:48	0	0	0	0	0	0	0	0
11:19:48	0	0	0	0	0	0	0	0
11:24:48	0	0	0	0	0	0	0	0
11:29:48	0	0	0	0	0	0	0	0
11:34:48	0	0	0	0	0	0	0	0
11:39:48	0	0	0	0	0	0	0	0
11:44:48	0	0	0	0	0	0	0	0
11:49:48	0	0	0	0	0	0	0	0
11:54:48	0	0	0	0	0	0	0	0
11:59:48	0	0	0	0	0	0	0	0
12:04:48	0	0	0	0	0	0	0	0
12:09:48	0	0	0	0	0	0	0	0
12:14:48	0	0	0	0	0	0	0	0
12:19:48	0	0	0	0	0	0	0	0
12:24:47	0	0	0	0	0	0	0	0
12:29:48	0	0	0	0	0	0	0	0
12:34:47	0	0	0	0	0	0	0	0
12:39:47	0	0	0	0	0	0	0	0
12:44:47	0	0	0	0	0	0	0	0
12:49:47	0	0	0	0	0	0	0	0

**2000 PERRY EVA TESTED EXERCISE**  
**TABLE 7.2.2**

TIME	LPCI A STATUS E12EK003	LPCI B STATUS E12EK004	LPCI C STATUS E12EK005	SHTDN CLG A E12EK009	SHTDN CLG B E12EK010	CNTMT SPRAY A E12EK011	CNTMT SPRAY B E12EK012	SUPR PL CLG A E12EK013
12:54:47	0	0	0	0	0	0	0	0
12:59:47	0	0	0	0	0	0	0	0
13:04:47	0	0	0	0	0	0	0	0
13:09:47	0	0	0	0	0	0	0	0
13:14:47	0	0	0	0	0	0	0	0
13:19:47	0	0	0	0	0	0	0	0
13:24:47	0	0	0	0	0	0	0	0
13:29:47	0	0	0	0	0	0	0	0
13:34:47	0	0	0	0	0	0	0	0
13:39:47	0	0	0	0	0	0	0	0
13:44:47	0	0	0	0	0	0	0	0
13:49:47	0	0	0	0	0	0	0	0
13:54:47	0	0	0	0	0	0	0	0
13:59:47	0	0	0	0	0	0	0	0
14:04:47	0	0	0	0	0	0	0	0
14:09:46	0	0	0	0	0	0	0	0
14:14:46	0	0	0	0	0	0	0	0
14:19:46	0	0	0	0	0	0	0	0
14:24:46	0	0	0	0	0	0	0	0
14:29:46	0	0	0	0	0	0	0	0
14:31:29	0	0	0	0	0	0	0	0



2000 PERRY EVA SCHEDULED EXERCISE  
TABLE 7.2.2

TIME	SUPR CLG B E12EK014	HPCS STATUS E22EK002	LPCS STATUS E21EK001	RCIC STATUS E51EK002	SLC STATUS C41EK003	FDW STATUS N27EK001	CRD STATUS C11EK001	ESWA PUMP STATUS P45EC001
6:54:59	0	0	0	0	0	1	1	0
6:59:59	0	0	0	0	0	1	1	0
7:04:59	0	0	0	0	0	1	1	0
7:09:59	0	0	0	0	0	1	1	0
7:14:59	0	0	0	0	0	1	1	0
7:19:59	0	0	0	0	0	1	1	0
7:24:59	0	0	0	0	0	1	1	0
7:29:59	0	0	0	0	0	1	1	1
7:34:59	1	0	0	0	0	1	1	1
7:39:59	1	0	0	0	0	1	1	1
7:44:59	1	0	0	0	0	1	1	1
7:49:58	1	0	0	0	0	1	1	1
7:54:58	1	0	0	0	0	1	1	1
7:59:58	1	0	0	0	0	1	1	1
8:04:58	1	0	0	0	0	1	1	1
8:09:58	1	0	0	0	0	1	1	1
8:14:58	1	0	0	0	0	1	1	1
8:19:58	1	0	0	0	0	1	1	1
8:24:58	1	0	0	0	0	1	1	1
8:29:58	1	0	0	0	0	1	1	1
8:34:58	1	0	0	0	0	1	1	1
8:39:58	1	0	0	0	0	1	1	1
8:44:58	1	0	0	0	0	1	1	1
8:49:58	1	0	0	0	0	1	1	1
8:54:58	1	0	0	0	0	1	1	1
8:59:58	1	0	0	0	0	1	1	1
9:04:58	1	0	0	0	0	1	1	1
9:09:58	1	0	0	0	0	1	1	1
9:14:58	1	0	0	0	0	1	1	1
9:19:58	1	0	0	0	0	1	1	1
9:24:58	1	0	0	0	0	1	1	1
9:29:57	1	0	0	0	0	1	1	1
9:34:57	1	0	0	0	0	1	1	1
9:39:57	1	0	0	0	0	1	1	1
9:44:57	1	0	0	0	0	1	1	1
9:49:57	1	0	0	0	0	1	1	1

2000 PERRY EVA SCHEDULED EXERCISE  
TABLE 7.2.2

TIME	SUPR CLG B E12EK014	HPCS STATUS E22EK002	LPCS STATUS E21EK001	RCIC STATUS E51EK002	SLC STATUS C41EK003	FDW STATUS N27EK001	CRD STATUS C11EK001	ESWA PUMP STATUS P45EC001
9:54:57	1	0	0	0	0	1	1	1
9:59:57	1	0	0	0	0	1	1	1
10:04:57	1	0	0	0	0	1	1	1
10:09:57	1	0	0	0	0	1	1	1
10:14:57	1	0	0	0	0	1	1	1
10:19:57	1	0	0	0	0	1	1	1
10:24:57	1	0	0	0	0	1	1	1
10:29:57	1	0	0	0	0	1	1	1
10:34:57	1	0	0	0	0	1	1	1
10:39:57	1	0	0	0	0	1	1	1
10:49:48	1	0	0	1	0	BAD DATA	0	1
10:54:48	0	0	0	0	0	BAD DATA	0	1
10:59:48	0	0	0	0	0	BAD DATA	0	1
11:04:48	0	0	0	0	0	BAD DATA	0	1
11:09:48	0	0	0	0	0	BAD DATA	0	1
11:14:48	0	0	0	0	0	BAD DATA	0	1
11:19:48	0	0	0	0	0	BAD DATA	0	1
11:24:48	0	0	0	0	0	BAD DATA	0	1
11:29:48	0	0	0	0	0	BAD DATA	0	1
11:34:48	0	0	0	0	0	BAD DATA	0	1
11:39:48	0	0	0	0	0	BAD DATA	0	1
11:44:48	0	0	0	0	0	BAD DATA	0	1
11:49:48	0	0	0	0	0	BAD DATA	0	1
11:54:48	0	0	0	0	0	BAD DATA	0	1
11:59:48	0	0	0	0	0	BAD DATA	0	1
12:04:48	0	0	0	0	0	BAD DATA	0	1
12:09:48	0	0	0	0	0	BAD DATA	0	1
12:14:48	0	0	0	0	0	BAD DATA	0	1
12:19:48	0	0	0	0	0	BAD DATA	0	1
12:24:47	0	0	0	0	0	BAD DATA	0	1
12:29:48	0	0	0	0	0	0	0	1
12:34:47	0	0	0	0	0	0	0	1
12:39:47	0	0	0	0	0	0	0	1
12:44:47	0	0	0	0	0	0	0	1
12:49:47	0	0	0	0	0	0	0	1

2000 PERRY EVA .TED EXERCISE  
TABLE 7.2.2

TIME	SUPR CLG B E12EK014	HPCS STATUS E22EK002	LPCS STATUS E21EK001	RCIC STATUS E51EK002	SLC STATUS C41EK003	FDW STATUS N27EK001	CRD STATUS C11EK001	ESWA PUMP STATUS P45EC001
12:54:47	0	1	0	0	0	0	0	1
12:59:47	0	1	0	0	0	0	0	1
13:04:47	0	0	0	0	0	0	0	1
13:09:47	0	0	0	0	0	0	0	1
13:14:47	0	0	0	0	0	0	0	1
13:19:47	0	0	0	0	0	0	0	1
13:24:47	0	0	0	0	0	0	0	1
13:29:47	0	0	0	0	1	0	0	1
13:34:47	0	0	0	0	1	0	0	1
13:39:47	0	0	0	0	1	0	0	1
13:44:47	0	0	0	0	1	0	0	1
13:49:47	0	0	0	0	1	0	0	1
13:54:47	0	0	0	0	1	1	0	1
13:59:47	0	0	0	0	1	0	0	1
14:04:47	0	0	0	0	1	0	0	1
14:09:46	0	0	0	0	1	0	0	1
14:14:46	0	0	0	0	1	0	0	1
14:19:46	0	0	0	0	1	0	0	1
14:24:46	0	0	0	0	1	0	0	1
14:29:46	0	0	0	0	1	0	0	1
14:31:29	0	0	0	0	1	0	0	1

2000 PERRY EVA TESTED EXERCISE

TABLE 7.2.2

TIME	ESW B PUMP STATUS P45EC002	ESW C PUMP STATUS P45EC003	NCC A PUMP STATUS P43EC011	NCC B PUMP STATUS P43EC012	NCC C PUMP STATUS P43EC013	SLC TANK VOLUME (GAL) C41ED001	CST VOLUME (K GAL) P11BE001	CNTMT HYDROGEN (%) M51EE001
6:54:59	0	0	1	1	0	4799.859	331.916	BAD DATA
6:59:59	0	0	1	1	0	4799.859	331.917	BAD DATA
7:04:59	0	0	1	1	0	4799.859	331.917	BAD DATA
7:09:59	0	0	1	1	0	4799.859	331.917	BAD DATA
7:14:59	0	0	1	1	0	4799.859	331.918	BAD DATA
7:19:59	0	0	1	1	0	4799.859	331.789	BAD DATA
7:24:59	0	0	1	1	0	4799.859	337.819	BAD DATA
7:29:59	0	0	1	1	0	4799.859	339.555	BAD DATA
7:34:59	1	0	1	1	0	4799.859	339.826	BAD DATA
7:39:59	1	0	1	1	0	4799.859	339.579	BAD DATA
7:44:59	1	0	1	1	0	4799.859	339.355	BAD DATA
7:49:58	1	0	1	1	0	4799.859	339.111	BAD DATA
7:54:58	1	0	1	1	0	4799.859	338.864	BAD DATA
7:59:58	1	0	1	1	0	4799.859	338.72	BAD DATA
8:04:58	1	0	1	1	0	4799.859	338.577	BAD DATA
8:09:58	1	0	1	1	0	4799.859	338.433	BAD DATA
8:14:58	1	0	1	1	0	4799.859	338.22	BAD DATA
8:19:58	1	0	1	1	0	4799.859	338.074	BAD DATA
8:24:58	1	0	1	1	0	4799.859	337.936	BAD DATA
8:29:58	1	0	1	1	0	4799.859	337.793	BAD DATA
8:34:58	1	0	1	1	0	4799.859	337.678	BAD DATA
8:39:58	1	0	1	1	0	4799.859	337.544	BAD DATA
8:44:58	1	0	1	1	0	4799.859	337.4	BAD DATA
8:49:58	1	0	1	1	0	4799.859	337.259	BAD DATA
8:54:58	1	0	1	1	0	4799.859	337.115	BAD DATA
8:59:58	1	0	1	1	0	4799.859	336.974	BAD DATA
9:04:58	1	0	1	1	0	4799.859	336.833	BAD DATA
9:09:58	1	0	1	1	0	4799.859	336.696	BAD DATA
9:14:58	1	0	1	1	0	4799.859	336.56	BAD DATA
9:19:58	1	0	1	1	0	4799.859	339.875	BAD DATA
9:24:58	1	0	1	1	0	4799.859	339.696	BAD DATA
9:29:57	1	0	1	1	0	4799.859	339.924	BAD DATA
9:34:57	1	0	1	1	0	4799.859	339.875	BAD DATA
9:39:57	1	0	1	1	0	4799.859	339.794	BAD DATA
9:44:57	1	0	1	1	0	4799.859	339.657	BAD DATA
9:49:57	1	0	1	1	0	4799.859	339.514	BAD DATA

2000 PERRY EVA TESTED EXERCISE  
TABLE 7.2.2

TIME	ESW B PUMP STATUS P45EC002	ESW C PUMP STATUS P45EC003	NCC A PUMP STATUS P43EC011	NCC B PUMP STATUS P43EC012	NCC C PUMP STATUS P43EC013	SLC TANK VOLUME (GAL) C41ED001	CST VOLUME (K GAL) P11BE001	CNTMT HYDROGEN (%) M51EE001
9:54:57	1	0	1	1	0	4799.859	339.371	BAD DATA
9:59:57	1	0	1	1	0	4799.859	339.227	BAD DATA
10:04:57	1	0	1	1	0	4799.859	339.084	BAD DATA
10:09:57	1	0	1	1	0	4799.859	338.941	BAD DATA
10:14:57	1	0	1	1	0	4799.859	338.797	BAD DATA
10:19:57	1	0	1	1	0	4799.859	338.654	BAD DATA
10:24:57	1	0	1	1	0	4799.859	338.509	BAD DATA
10:29:57	1	0	1	1	0	4799.859	337.922	BAD DATA
10:34:57	1	0	1	1	0	4799.859	333.267	BAD DATA
10:39:57	1	0	1	1	0	4799.859	334.48	BAD DATA
10:49:48	1	1	0	1	0	4799.859	338.554	0.01
10:54:48	1	1	1	1	0	4799.859	349.012	0.01
10:59:48	1	1	1	1	0	4799.859	349.666	0.01
11:04:48	1	1	1	1	0	4799.859	349.427	0.01
11:09:48	1	1	1	1	0	4799.859	348.898	0.011
11:14:48	1	1	1	1	0	4799.859	347.802	0.011
11:19:48	1	1	1	1	0	4799.859	346.713	0.011
11:24:48	1	1	1	1	0	4799.859	345.787	0.012
11:29:48	1	1	1	1	0	4799.859	344.814	0.012
11:34:48	1	1	1	1	0	4799.859	343.802	0.012
11:39:48	1	1	1	1	0	4799.859	342.161	0.013
11:44:48	1	1	1	1	0	4799.859	340.788	0.013
11:49:48	1	1	1	1	0	4799.859	339.389	0.014
11:54:48	1	1	1	1	0	4799.859	338.147	0.014
11:59:48	1	1	1	1	0	4799.859	337.162	0.015
12:04:48	1	1	1	1	0	4799.859	336.101	0.015
12:09:48	1	1	1	1	0	4799.859	335.093	0.016
12:14:48	1	1	1	1	0	4799.859	334.091	0.016
12:19:48	1	1	1	1	0	4799.859	333.084	0.017
12:24:47	1	1	1	1	0	4799.859	332.078	0.017
12:29:48	1	1	1	1	0	4799.859	331.082	0.018
12:34:47	1	1	1	1	0	4799.859	330.059	0.018
12:39:47	1	1	1	1	0	4799.859	329.056	0.019
12:44:47	1	1	1	1	0	4799.859	327.051	0.019
12:49:47	1	1	1	1	0	4799.859	306.09	0.02

2000 PERRY EVALUATED EXERCISE  
TABLE 7.2.2

TIME	ESW B PUMP STATUS P45EC002	ESW C PUMP STATUS P45EC003	NCC A PUMP STATUS P43EC011	NCC B PUMP STATUS P43EC012	NCC C PUMP STATUS P43EC013	SLC TANK VOLUME (GAL) C41ED001	CST VOLUME (K GAL) P11BE001	CNTMT HYDROGEN (%) M51EE001
12:54:47	1	1	1	1	0	4799.859	281.159	0.02
12:59:47	1	1	1	1	0	4799.859	256.373	0.021
13:04:47	1	1	1	1	0	4799.859	227.087	0.021
13:09:47	1	1	1	1	0	4799.859	197.625	0.022
13:14:47	1	1	1	1	0	4799.859	193.85	0.022
13:19:47	1	1	1	1	0	4799.859	196.14	0.022
13:24:47	1	1	1	1	0	4799.859	198.458	0.023
13:29:47	1	1	1	1	0	4603.754	200.735	0.023
13:34:47	1	1	1	1	0	4388.523	203.017	0.024
13:39:47	1	1	1	1	0	4174.719	205.292	0.024
13:44:47	1	1	1	1	0	3961.634	207.565	0.025
13:49:47	1	1	1	1	0	3747.117	209.829	0.026
13:54:47	1	1	1	1	0	3532.6	212.064	0.026
13:59:47	1	1	1	1	0	3318.798	214.293	0.027
14:04:47	1	1	1	1	0	3104.281	216.513	0.028
14:09:46	1	1	1	1	0	2890.479	218.716	0.029
14:14:46	1	1	1	1	0	2676.678	220.904	0.029
14:19:46	1	1	1	1	0	2461.446	223.097	0.03
14:24:46	1	1	1	1	0	2247.644	225.282	0.031
14:29:46	1	1	1	1	0	2033.127	227.491	0.032
14:31:29	1	1	1	1	0	1960.191	228.22	0.033

2000 PERRY EVA ,TED EXERCISE

TABLE 7.2.2

TIME	CNDR	RPV LEVEL	RPV LEVEL-VALIDATD	RPV PRESS-	SUPP POOL	SUPP POOL LEVEL-
	PRESSURE (IN HGA) N21EE003	(INCHES) B21ED001	STATUS B21ED002	(PSI) B21ED003 B21ED004	VALIDATED G43ED001	LEVEL STATUS G43ED002
6:54:59	2.936	202.255	4	1020.67	4	18.268
6:59:59	2.936	202.228	4	1020.732	4	18.269
7:04:59	2.937	202.238	4	1020.712	4	18.269
7:09:59	2.937	202.265	4	1020.703	4	18.269
7:14:59	2.937	202.239	4	1020.715	4	18.269
7:19:59	2.744	205.683	4	1008.109	4	18.273
7:24:59	2.722	201.218	4	1007.397	4	18.29
7:29:59	2.703	201.158	4	1007.236	4	18.306
7:34:59	2.688	201.114	4	1006.776	4	18.334
7:39:59	2.702	201.167	4	1006.99	4	18.347
7:44:59	2.697	201.16	4	1006.732	4	18.356
7:49:58	2.693	201.108	4	1006.575	4	18.367
7:54:58	2.691	201.127	4	1006.464	4	18.377
7:59:58	2.688	201.074	4	1006.249	4	18.384
8:04:58	2.685	201.059	4	1006.129	4	18.391
8:09:58	2.682	201.046	4	1005.98	4	18.398
8:14:58	2.679	201.085	4	1005.838	4	18.406
8:19:58	2.677	201.064	4	1005.742	4	18.413
8:24:58	2.675	201.045	4	1005.592	4	18.418
8:29:58	2.672	201.015	4	1005.446	4	18.423
8:34:58	2.669	201.024	4	1005.344	4	18.428
8:39:58	2.667	201.008	4	1005.233	4	18.433
8:44:58	2.664	201.021	4	1005.123	4	18.438
8:49:58	2.662	200.995	4	1005.013	4	18.443
8:54:58	2.66	200.988	4	1004.893	4	18.448
8:59:58	2.658	200.947	4	1004.817	4	18.453
9:04:58	2.657	200.985	4	1004.745	4	18.458
9:09:58	2.655	200.941	4	1004.667	4	18.463
9:14:58	2.653	200.958	4	1004.555	4	18.468
9:19:58	2.692	200.984	4	1004.523	4	18.473
9:24:58	2.641	200.881	4	1004.355	4	18.478
9:29:57	2.652	200.903	4	1004.331	4	18.483
9:34:57	2.647	200.915	4	1004.257	4	18.488
9:39:57	2.646	200.892	4	1004.265	4	18.493
9:44:57	2.645	200.888	4	1004.094	4	18.498
9:49:57	2.643	200.885	4	1004.106	4	18.503

## 2000 PERRY EVA DATED EXERCISE

TABLE 7.2.2

TIME	CNDR	RPV LEVEL	RPV LEVEL-VALIDATD	RPV PRESS-	SUPP POOL	SUPP POOL LEVEL-
	PRESSURE (IN HGA)	(INCHES)	STATUS	STATUS	LEVEL (FT)	VALIDATED STATUS
	N21EE003	B21ED001	B21ED002	B21ED003	G43ED001	G43ED002
9:54:57	2.643	200.866	4	1004.007	18.508	4
9:59:57	2.641	200.855	4	1003.965	18.512	4
10:04:57	2.641	200.848	4	1003.931	18.517	4
10:09:57	2.64	200.813	4	1003.863	18.522	4
10:14:57	2.641	200.893	4	1003.794	18.527	4
10:19:57	2.638	200.872	4	1003.773	18.532	4
10:24:57	2.639	200.815	4	1003.79	18.537	4
10:29:57	2.605	200.82	4	1003.685	18.542	4
10:34:57	2.644	200.934	4	1003.602	18.547	4
10:39:57	2.634	200.847	4	1003.64	18.552	4
10:49:48	1.115	146.359	4	950.579	18.543	4
10:54:48	1.103	78.59	4	1060.819	18.692	4
10:59:48	1.098	58.005	4	1111.385	18.765	4
11:04:48	1.128	47.73	4	1036.345	18.841	4
11:09:48	1.717	32.63	4	1093.834	18.883	4
11:14:48	2.883	17.046	4	1009.332	18.923	4
11:19:48	4.296	38.335	4	988.875	18.929	4
11:24:48	5.788	33.263	4	1057.073	18.935	4
11:29:48	7.263	20.234	4	962.061	18.974	4
11:34:48	8.671	29.247	4	1101.026	18.985	4
11:39:48	9.924	11.409	4	1027.537	19.025	4
11:44:48	11.045	15.994	4	1126.84	23.62	4
11:49:48	12.054	51.868	4	1025.43	23.917	4
11:54:48	12.967	2.689	4	1126.104	23.824	4
11:59:48	13.797	41.951	4	1023.732	23.71	4
12:04:48	14.555	44.478	4	1098.073	23.675	4
12:09:48	15.252	44.761	4	1139.513	23.675	4
12:14:48	15.892	41.029	4	1137.953	23.675	4
12:19:48	16.485	37.041	4	1126.893	23.674	4
12:24:47	17.032	33.48	4	1116.308	23.674	4
12:29:48	17.548	7.329	4	854.821	23.68	4
12:34:47	18.021	9.692	4	821.592	23.673	4
12:39:47	18.463	0.23	4	841.1	23.674	4
12:44:47	18.876	-2.43	4	854.798	23.679	4
12:49:47	19.264	6.331	4	831.167	23.783	4



2000 PERRY EV: ATED EXERCISE  
TABLE 7.2.2

TIME	CNDR PRESSURE (IN HGA) N21EE003	RPV LEVEL (INCHES) B21ED001	RPV LEVEL-VALIDATD STATUS B21ED002	RPV PRESS (PSI) B21ED003	RPV PRESS- VALIDATED STATUS B21ED004	SUPP POOL LEVEL (FT) G43ED001	SUPP POOL LEVEL- VALIDATED STATUS G43ED002
12:54:47	19.629	16.313	4	755.188	4	23.831	4
12:59:47	19.971	32.734	4	532.59	4	23.76	4
13:04:47	20.293	47.081	4	606.65	4	23.89	4
13:09:47	20.6	56.205	4	842.871	4	23.997	4
13:14:47	20.889	65.47	4	1089.124	4	23.834	4
13:19:47	21.164	66.752	4	1158.139	4	23.681	4
13:24:47	21.427	53.934	4	1045.061	4	23.673	4
13:29:47	21.674	52.868	4	1050.49	4	23.673	4
13:34:47	21.909	45.554	4	950.905	4	23.673	4
13:39:47	22.133	40.194	4	961.231	4	23.671	4
13:44:47	22.345	7.133	4	849.769	4	23.691	4
13:49:47	22.55	-1.459	4	244.77	4	23.696	4
13:54:47	22.744	14.415	4	97.131	4	23.548	4
13:59:47	22.93	24.605	4	57.57	4	23.407	4
14:04:47	23.108	45.03	4	44.879	4	23.323	4
14:09:46	23.279	74.657	4	37.072	4	23.211	4
14:14:46	23.442	104.921	4	31.712	4	23.091	4
14:19:46	23.601	136.33	4	26.847	4	22.983	4
14:24:46	23.753	170.096	4	23.029	4	22.862	4
14:29:46	23.899	201.458	4	20.142	4	22.742	4
14:31:29	23.946	212.618	4	19.49	4	22.708	4

2000 PERRY EVA TESTED EXERCISE  
TABLE 7.2.2

TIME	SUPP POOL	DW PRESS-	CNTMT PRESS	CNTMT PRESS-	CNTMT TEMP-	DW PRESS	DW PRESS-	
	TEMP (F)	VALIDATED	(PSIG)	VALIDATED STATUS	TEMP (F)	(PSIG)	VALIDATED	
	D23ED005	STATUS	D23ED003	D23ED004	D23ED009	D23ED001	D23ED010	D23ED002
		D23ED006						
6:54:59	80.186	4	0.007	4	82.093	4	0.065	4
6:59:59	80.186	4	0.006	4	82.057	4	0.064	4
7:04:59	80.186	4	0.005	4	82.022	4	0.063	4
7:09:59	80.186	4	0.004	4	81.988	4	0.063	4
7:14:59	80.186	4	0.003	4	81.954	4	0.062	4
7:19:59	80.509	4	0.003	4	81.921	4	0.061	4
7:24:59	81.551	4	0.004	4	81.887	4	0.061	4
7:29:59	82.258	4	0.005	4	81.856	4	0.063	4
7:34:59	83.589	4	0.007	4	81.83	4	0.066	4
7:39:59	83.53	4	0.009	4	81.806	4	0.07	4
7:44:59	83.266	4	0.01	4	81.789	4	0.074	4
7:49:58	83.065	4	0.011	4	81.774	4	0.076	4
7:54:58	83.002	4	0.012	4	81.756	4	0.076	4
7:59:58	83.137	4	0.013	4	81.739	4	0.075	4
8:04:58	83.268	4	0.013	4	81.723	4	0.073	4
8:09:58	83.397	4	0.014	4	81.706	4	0.07	4
8:14:58	83.524	4	0.014	4	81.69	4	0.066	4
8:19:58	83.621	4	0.015	4	81.674	4	0.062	4
8:24:58	83.638	4	0.015	4	81.658	4	0.057	4
8:29:58	83.653	4	0.016	4	81.641	4	0.051	4
8:34:58	83.669	4	0.016	4	81.625	4	0.046	4
8:39:58	83.681	4	0.016	4	81.611	4	0.041	4
8:44:58	83.692	4	0.017	4	81.597	4	0.035	4
8:49:58	83.704	4	0.017	4	81.582	4	0.03	4
8:54:58	83.716	4	0.017	4	81.567	4	0.024	4
8:59:58	83.727	4	0.018	4	81.554	4	0.019	4
9:04:58	83.737	4	0.018	4	81.543	4	0.013	4
9:09:58	83.748	4	0.018	4	81.532	4	0.008	4
9:14:58	83.759	4	0.019	4	81.522	4	0.002	4
9:19:58	83.771	4	0.019	4	81.513	4	-0.003	4
9:24:58	83.783	4	0.02	4	81.504	4	-0.009	4
9:29:57	83.793	4	0.02	4	81.497	4	-0.015	4
9:34:57	83.802	4	0.02	4	81.489	4	-0.02	4
9:39:57	83.812	4	0.021	4	81.485	4	-0.026	4
9:44:57	83.821	4	0.021	4	81.48	4	-0.031	4
9:49:57	83.827	4	0.022	4	81.476	4	-0.037	4

2000 PERRY EVA .TED EXERCISE

TABLE 7.2.2

TIME	SUPP POOL TEMP (F) D23ED005	DW PRESS- VALIDATED STATUS D23ED006	CNTMT PRESS (PSIG) D23ED003	CNTMT PRESS- VALIDATED STATUS D23ED004	CNTMT TEMP (F) D23ED009	CNTMT TEMP- VALIDATED STATUS D23ED010	DW PRESS (PSIG) D23ED001	DW PRESS- VALIDATED STATUS D23ED002
9:54:57	83.822	4	0.022	4	81.473	4	-0.042	4
9:59:57	83.822	4	0.023	4	81.47	4	-0.048	4
10:04:57	83.821	4	0.023	4	81.468	4	-0.054	4
10:09:57	83.82	4	0.024	4	81.466	4	-0.059	4
10:14:57	83.819	4	0.024	4	81.464	4	-0.065	4
10:19:57	83.817	4	0.025	4	81.462	4	-0.071	4
10:24:57	83.816	4	0.025	4	81.461	4	-0.076	4
10:29:57	83.815	4	0.026	4	81.459	4	-0.082	4
10:34:57	83.814	4	0.026	4	81.458	4	-0.088	4
10:39:57	83.813	4	0.027	4	81.456	4	-0.094	4
10:49:48	89.962	4	0.22	4	82.542	4	0.129	4
10:54:48	100.938	4	0.281	4	83.805	4	0.107	4
10:59:48	105.972	4	0.312	4	84.712	4	0.106	4
11:04:48	110.784	4	0.356	4	85.567	4	0.154	4
11:09:48	113.374	4	0.4	4	86.381	4	0.198	4
11:14:48	115.945	4	0.441	4	87.167	4	0.237	4
11:19:48	116.334	4	0.476	4	87.916	4	0.27	4
11:24:48	116.748	4	0.506	4	88.63	4	0.298	4
11:29:48	118.857	4	0.537	4	89.345	4	0.325	4
11:34:48	119.912	4	0.567	4	90.419	4	0.357	4
11:39:48	122.448	4	0.598	4	91.527	4	0.387	4
11:44:48	115.359	4	0.619	4	92.459	4	0.407	4
11:49:48	116.568	4	0.627	4	93.189	4	0.516	4
11:54:48	116.935	4	0.649	4	93.966	4	0.497	4
11:59:48	118.691	4	0.67	4	94.749	4	0.468	4
12:04:48	119.044	4	0.679	4	95.496	4	0.464	4
12:09:48	119.417	4	0.684	4	96.225	4	0.469	4
12:14:48	119.8	4	0.687	4	96.945	4	0.473	4
12:19:48	120.193	4	0.689	4	97.633	4	0.474	4
12:24:47	120.569	4	0.691	4	98.301	4	0.476	4
12:29:48	122.869	4	0.698	4	98.978	4	0.484	4
12:34:47	124.377	4	0.704	4	99.732	4	0.488	4
12:39:47	124.675	4	0.707	4	100.443	4	0.492	4
12:44:47	124.837	4	0.709	4	101.112	4	0.496	4
12:49:47	124.098	4	0.739	4	101.754	4	0.543	4

2000 PERRY EVA .TED EXERCISE  
TABLE 7.2.2

TIME	SUPP POOL TEMP (F) D23ED005	DW PRESS- VALIDATED STATUS D23ED006	CNTMT PRESS (PSIG) D23ED003	CNTMT PRESS- VALIDATED STATUS D23ED004	CNTMT TEMP (F) D23ED009	CNTMT TEMP- VALIDATED STATUS D23ED010	DW PRESS (PSIG) D23ED001	DW PRESS- VALIDATED STATUS D23ED002
12:54:47	123.239	4	0.772	4	102.351	4	0.599	4
12:59:47	122.763	4	0.791	4	102.903	4	0.603	4
13:04:47	121.388	4	0.829	4	103.419	4	0.661	4
13:09:47	119.997	4	0.862	4	103.874	4	0.742	4
13:14:47	119.894	4	0.868	4	104.301	4	0.716	4
13:19:47	120.366	4	0.871	4	104.733	4	0.659	4
13:24:47	122.164	4	0.869	4	105.174	4	0.654	4
13:29:47	122.796	4	0.862	4	105.609	4	0.647	4
13:34:47	124.254	4	0.857	4	106.073	4	0.642	4
13:39:47	124.885	4	0.851	4	106.542	4	0.635	4
13:44:47	126.282	4	0.847	4	107.003	4	0.631	4
13:49:47	140.647	4	0.875	4	107.899	4	0.663	4
13:54:47	145.742	4	0.88	4	109.068	4	0.661	4
13:59:47	147.955	4	0.877	4	110.146	4	0.655	4
14:04:47	149.509	4	0.875	4	111.198	4	0.654	4
14:09:46	150.819	4	0.872	4	112.24	4	0.651	4
14:14:46	151.924	4	0.868	4	113.283	4	0.647	4
14:19:46	152.804	4	0.865	4	114.297	4	0.643	4
14:24:46	153.553	4	0.86	4	115.274	4	0.639	4
14:29:46	154.165	4	0.855	4	116.221	4	0.634	4
14:31:29	154.326	4	0.854	4	116.531	4	0.633	4

2000 PERRY EVA LIMITED EXERCISE  
TABLE 7.2.2

TIME	DW TEMP (F) D23ED007	DW TEMP- VALIDATED STATUS D23ED008	POWER (%) C51ED001	RX POWER- VALIDATED STATUS C51ED002	SCRAM STATUS C71ED003	SRVS OPEN B21ED051	SRV STATUS B21ED050	MSIV STATUS B21ED072
6:54:59	124.687	4	100.208	4	5	0	5	5
6:59:59	124.657	4	100.144	4	5	0	5	5
7:04:59	124.628	4	99.537	4	5	0	5	5
7:09:59	124.6	4	100.479	4	5	0	5	5
7:14:59	124.573	4	100.364	4	5	0	5	5
7:19:59	124.544	4	89.125	4	5	1	2	5
7:24:59	124.475	4	90.819	4	5	1	2	5
7:29:59	124.418	4	91.117	4	5	1	2	5
7:34:59	124.37	4	90.287	4	5	1	2	5
7:39:59	124.326	4	90.545	4	5	1	2	5
7:44:59	124.289	4	90.509	4	5	1	2	5
7:49:58	124.26	4	90.264	4	5	1	2	5
7:54:58	124.23	4	89.12	4	5	1	2	5
7:59:58	124.201	4	89.413	4	5	1	2	5
8:04:58	124.171	4	89.771	4	5	1	2	5
8:09:58	124.142	4	88.841	4	5	1	2	5
8:14:58	124.114	4	90.008	4	5	1	2	5
8:19:58	124.09	4	89.352	4	5	1	2	5
8:24:58	124.069	4	89.205	4	5	1	2	5
8:29:58	124.049	4	89.017	4	5	1	2	5
8:34:58	124.03	4	88.914	4	5	1	2	5
8:39:58	124.011	4	88.941	4	5	1	2	5
8:44:58	123.993	4	88.497	4	5	1	2	5
8:49:58	123.975	4	88.718	4	5	1	2	5
8:54:58	123.957	4	88.523	4	5	1	2	5
8:59:58	123.94	4	88.848	4	5	1	2	5
9:04:58	123.922	4	88.999	4	5	1	2	5
9:09:58	123.906	4	87.77	4	5	1	2	5
9:14:58	123.89	4	88.203	4	5	1	2	5
9:19:58	123.873	4	87.928	4	5	1	2	5
9:24:58	123.858	4	88.62	4	5	1	2	5
9:29:57	123.845	4	88.542	4	5	1	2	5
9:34:57	123.833	4	88.387	4	5	1	2	5
9:39:57	123.822	4	88.448	4	5	1	2	5
9:44:57	123.813	4	88.239	4	5	1	2	5
9:49:57	123.805	4	87.573	4	5	1	2	5

2000 PERRY EVA LIMITED EXERCISE  
TABLE 7.2.2

TIME	DW TEMP (F) D23ED007	DW TEMP- VALIDATED STATUS D23ED008	POWER (%) C51ED001	RX POWER- VALIDATED STATUS C51ED002	SCRAM STATUS C71ED003	SRVS OPEN B21ED051	SRV STATUS B21ED050	MSIV STATUS B21ED072
9:54:57	123.796	4	88.101	4	5	1	2	5
9:59:57	123.787	4	87.769	4	5	1	2	5
10:04:57	123.778	4	88.037	4	5	1	2	5
10:09:57	123.769	4	87.316	4	5	1	2	5
10:14:57	123.76	4	88.124	4	5	1	2	5
10:19:57	123.751	4	87.61	4	5	1	2	5
10:24:57	123.741	4	87.6	4	5	1	2	5
10:29:57	123.733	4	88.01	4	5	1	2	5
10:34:57	123.723	4	87.669	4	5	1	2	5
10:39:57	123.714	4	87.557	4	5	1	2	5
10:49:48	129.68	4	2.327	4	3	1	2	1
10:54:48	126.746	4	1.164	4	3	1	2	1
10:59:48	122.719	4	0.694	4	3	1	2	1
11:04:48	122.094	4	0.414	4	3	1	2	1
11:09:48	121.732	4	0.519	4	3	1	2	1
11:14:48	121.501	4	0.292	4	3	1	2	1
11:19:48	121.256	4	0.504	4	3	1	2	1
11:24:48	121.072	4	0.605	4	3	1	2	1
11:29:48	120.957	4	0.13	4	3	8	2	1
11:34:48	120.829	4	0.568	4	3	1	2	1
11:39:48	120.749	4	0.478	4	3	1	2	1
11:44:48	120.681	4	0.471	4	3	1	2	1
11:49:48	121.424	4	0.273	4	3	1	2	1
11:54:48	122.043	4	0.413	4	3	1	2	1
11:59:48	122.383	4	0.209	4	3	1	2	1
12:04:48	122.649	4	0.198	4	3	1	2	1
12:09:48	122.877	4	0.076	4	3	1	2	1
12:14:48	123.056	4	0.004	4	3	1	2	1
12:19:48	123.198	4	0	4	3	1	2	1
12:24:47	123.324	4	0	4	3	1	2	1
12:29:48	123.424	4	0	4	3	1	2	1
12:34:47	123.424	4	0	4	3	1	2	1
12:39:47	123.502	4	0	4	3	1	2	1
12:44:47	123.603	4	0	4	3	1	2	1
12:49:47	123.729	4	0	4	3	1	2	1

2000 PERRY EVA TESTED EXERCISE

TABLE 7.2.2

TIME	DW TEMP- VALIDATED STATUS D23ED007	DW TEMP- VALIDATED STATUS D23ED008	POWER (%) C51ED001	RX POWER- VALIDATED STATUS C51ED002	SCRAM STATUS C71ED003	SRVS OPEN B21ED051	SRV STATUS B21ED050	MSIV STATUS B21ED072
12:54:47	123.912	4	0	4	3	1	2	1
12:59:47	123.855	4	0	4	3	0	5	1
13:04:47	123.564	4	0	4	3	0	5	1
13:09:47	123.515	4	0.249	4	3	0	5	1
13:14:47	123.607	4	0.327	4	3	1	2	1
13:19:47	123.739	4	0.299	4	3	1	2	1
13:24:47	123.884	4	0.143	4	3	1	2	1
13:29:47	124.05	4	0.033	4	3	1	2	1
13:34:47	124.18	4	0	4	3	1	2	1
13:39:47	124.298	4	0	4	3	1	2	1
13:44:47	124.43	4	0	4	3	5	2	1
13:49:47	124.085	4	0	4	3	4	2	1
13:54:47	123.378	4	0	4	3	BAD DATA	BAD DATA	1
13:59:47	122.549	4	0	4	3	BAD DATA	BAD DATA	1
14:04:47	121.858	4	0	4	3	BAD DATA	BAD DATA	1
14:09:46	121.255	4	0	4	3	BAD DATA	BAD DATA	1
14:14:46	120.725	4	0	4	3	BAD DATA	BAD DATA	1
14:19:46	120.261	4	0	4	3	BAD DATA	BAD DATA	1
14:24:46	119.832	4	0	4	3	BAD DATA	BAD DATA	1
14:29:46	119.455	4	0	4	3	BAD DATA	BAD DATA	1
14:31:29	119.337	4	0	4	3	BAD DATA	BAD DATA	1

2000 PERRY EVA LIMITED EXERCISE

TABLE 7.2.2

TIME	GROUP ISOLATED STATUS B21ED073	NON-SPDS RAD STATUS D21ED001	RAD D17ED001	DG 1 STATUS R43ED002	DG 2 STATUS R43ED003	DG 3 STATUS R43ED004	GEN OUTPUT (MWe) N41BD001	TURBINE SPEED (RPM) N31BA013
6:54:59	1	1	1	5	5	5	1228.595	1800.001
6:59:59	1	1	1	5	5	5	1229.005	1800.001
7:04:59	1	1	1	5	5	5	1229.005	1800.001
7:09:59	1	1	1	5	5	5	1229.005	1800.001
7:14:59	1	1	1	5	5	5	1229.005	1800.001
7:19:59	1	1	1	5	5	5	1226.4	1799.998
7:24:59	1	2	1	5	5	5	1226.4	1800
7:29:59	1	2	1	5	5	5	1105.843	1800.001
7:34:59	1	2	1	5	5	5	1105.843	1800.001
7:39:59	1	2	1	5	5	5	1107.692	1800.001
7:44:59	1	2	1	5	5	5	1107.692	1800.001
7:49:58	1	2	1	5	5	5	1089.6	1800.001
7:54:58	1	2	1	5	5	5	1089.6	1800
7:59:58	1	2	1	5	5	5	1082.466	1800.001
8:04:58	1	2	1	5	5	5	1082.466	1800.001
8:09:58	1	2	1	5	5	5	1059.532	1800.001
8:14:58	1	2	1	5	5	5	1059.532	1800
8:19:58	1	2	1	5	5	5	1057.763	1800.001
8:24:58	1	2	1	5	5	5	1057.763	1800.001
8:29:58	1	2	1	5	5	5	1076.934	1800.001
8:34:58	1	2	1	5	5	5	1076.934	1800.001
8:39:58	1	2	1	5	5	5	1057.763	1800.001
8:44:58	1	2	1	5	5	5	1057.763	1800.001
8:49:58	1	2	1	5	5	5	1057.763	1800.001
8:54:58	1	2	1	5	5	5	1057.763	1800
8:59:58	1	2	1	5	5	5	1057.763	1800.001
9:04:58	1	2	1	5	5	5	1057.763	1800.001
9:09:58	1	2	1	5	5	5	1070.835	1800.001
9:14:58	1	2	1	5	5	5	1070.835	1800.001
9:19:58	1	2	BAD DATA	5	5	5	1059.532	1800
9:24:58	1	2	BAD DATA	5	5	5	1059.532	1800
9:29:57	1	2	BAD DATA	5	5	5	1059.532	1800.001
9:34:57	1	2	BAD DATA	5	5	5	1059.532	1800
9:39:57	1	2	BAD DATA	5	5	5	1061.137	1800.001
9:44:57	1	2	BAD DATA	5	5	5	1061.137	1800.001
9:49:57	1	2	BAD DATA	5	5	5	1065.6	1800.001



2000 PERRY EVALUATED EXERCISE  
TABLE 7.2.2

TIME	GROUP	NON-SPDS RAD			DG 1 STATUS	DG 2 STATUS	DG 3 STATUS	GEN OUTPUT	TURBINE SPEED
	ISOLATED STATUS	STATUS	RAD	DG 1 STATUS	DG 2 STATUS	DG 3 STATUS	(MWe)	(RPM)	
	B21ED073	D21ED001	D17ED001	R43ED002	R43ED003	R43ED004	N41BD001	N31BA013	
9:54:57	1	2	BAD DATA	5	5	5	1065.6	1800.001	
9:59:57	1	2	BAD DATA	5	5	5	1011.371	1800.001	
10:04:57	1	2	BAD DATA	5	5	5	1011.371	1800.001	
10:09:57	1	2	BAD DATA	5	5	5	1060.94	1800.001	
10:14:57	1	2	BAD DATA	5	5	5	1060.94	1800.001	
10:19:57	1	2	BAD DATA	5	5	5	1060.94	1800.001	
10:24:57	1	2	BAD DATA	5	5	5	1060.94	1800.001	
10:29:57	1	2	3	5	5	5	1059.532	1800.001	
10:34:57	1	2	2	5	5	5	1059.532	1800.001	
10:39:57	1	2	1	5	5	5	1055.805	1800.001	
10:49:48	3	2	1	3	3	3	BAD DATA	1723.147	
10:54:48	3	2	1	3	3	3	BAD DATA	1538.69	
10:59:48	3	2	1	3	3	3	BAD DATA	1341.732	
11:04:48	3	2	1	3	3	3	-2342.176	1151.472	
11:09:48	3	3	2	3	3	3	-2342.176	960.086	
11:14:48	3	3	2	3	3	3	0	748.49	
11:19:48	3	3	3	3	3	3	0	524.994	
11:24:48	3	3	3	3	3	3	0	307.664	
11:29:48	3	3	3	3	3	3	0	120.783	
11:34:48	3	3	3	3	3	3	0	1.5	
11:39:48	3	3	3	3	3	3	0	1.5	
11:44:48	3	3	3	3	3	3	0	1.5	
11:49:48	3	3	3	3	3	3	0	1.5	
11:54:48	3	3	3	3	3	3	0	1.5	
11:59:48	3	3	3	3	3	3	0	1.5	
12:04:48	3	3	3	3	3	3	0	1.5	
12:09:48	3	3	3	3	3	3	0	1.5	
12:14:48	3	3	3	3	3	3	0	1.5	
12:19:48	3	3	3	3	3	3	0	1.5	
12:24:47	3	3	3	3	3	3	0	1.5	
12:29:48	3	3	3	3	3	3	0	1.5	
12:34:47	3	3	3	3	3	3	0	1.5	
12:39:47	3	3	3	3	3	3	0	1.5	
12:44:47	3	3	3	3	3	3	0	1.5	
12:49:47	3	3	3	3	3	3	0	1.5	

2000 PERRY EVA. LIMITED EXERCISE

TABLE 7.2.2

TIME	GROUP ISOLATED STATUS B21ED073	NON-SPDS RAD STATUS D21ED001	RAD D17ED001	DG 1 STATUS R43ED002	DG 2 STATUS R43ED003	DG 3 STATUS R43ED004	GEN OUTPUT (MWe) N41BD001	TURBINE SPEED (RPM) N31BA013
12:54:47	3	3	3	3	3	3	0	1.5
12:59:47	3	3	3	3	3	3	0	1.5
13:04:47	3	3	3	3	3	3	0	1.5
13:09:47	3	3	3	3	3	3	0	1.5
13:14:47	3	3	3	3	3	3	0	1.5
13:19:47	3	3	3	3	3	3	0	1.5
13:24:47	3	3	3	3	3	3	0	1.5
13:29:47	3	3	3	3	3	3	0	1.5
13:34:47	3	3	3	3	3	3	0	1.5
13:39:47	3	3	3	3	3	3	0	1.5
13:44:47	3	3	3	3	3	3	0	1.5
13:49:47	3	3	3	3	3	3	0	1.5
13:54:47	3	3	3	3	3	3	0	1.5
13:59:47	3	3	3	3	3	3	0	1.5
14:04:47	3	3	3	3	3	3	0	1.5
14:09:46	3	3	3	3	3	3	0	1.5
14:14:46	3	3	3	3	3	3	0	1.5
14:19:46	3	3	3	3	3	3	0	1.5
14:24:46	3	3	3	3	3	3	0	1.5
14:29:46	3	3	3	3	3	3	0	1.5
14:31:29	3	3	3	3	3	3	0	1.5

2000 PERRY EVALUATED EXERCISE  
TABLE 7.2.2

TIME	FEEDWATER FLOW (Mlbm) N27BD001	STEAM FLOW (Mlbm) N11BD001	BYP VALVE POS C85EA011	CONT VALVE POS N32EA010	STOP VALVE POS N32EA001	TIME
6:54:59	15.325	15.354	0	82.192	100	6:56:11
6:59:59	15.325	15.354	0	82.193	100	7:01:11
7:04:59	15.324	15.354	0	82.213	100	7:06:11
7:09:59	15.324	15.353	0	82.204	100	7:11:10
7:14:59	15.324	15.353	0	82.21	100	7:16:10
7:19:59	15.324	15.353	0	74.371	100	7:21:11
7:24:59	13.708	13.737	0	73.47	100	7:26:10
7:29:59	13.685	13.714	0	73.226	100	7:31:10
7:34:59	13.66	13.689	0	72.68	100	7:36:10
7:39:59	13.64	13.669	0	73.015	100	7:41:10
7:44:59	13.618	13.651	0	72.793	100	7:46:10
7:49:58	13.597	13.631	0	72.605	100	7:51:10
7:54:58	13.577	13.606	0	72.488	100	7:56:10
7:59:58	13.564	13.589	0	72.319	100	8:01:10
8:04:58	13.545	13.575	0	72.189	100	8:06:10
8:09:58	13.528	13.557	0	72.042	100	8:11:10
8:14:58	13.51	13.539	0	71.898	100	8:16:10
8:19:58	13.493	13.522	0	71.818	100	8:21:10
8:24:58	13.478	13.507	0	71.711	100	8:26:10
8:29:58	13.463	13.492	0	71.608	100	8:31:10
8:34:58	13.447	13.476	0	71.521	100	8:36:10
8:39:58	13.433	13.463	0	71.415	100	8:41:10
8:44:58	13.42	13.449	0	71.309	100	8:46:10
8:49:58	13.406	13.435	0	71.21	100	8:51:10
8:54:58	13.391	13.422	0	71.124	100	8:56:09
8:59:58	13.381	13.408	0	71.043	100	9:01:09
9:04:58	13.37	13.396	0	70.979	100	9:06:09
9:09:58	13.359	13.388	0	70.875	100	9:11:09
9:14:58	13.348	13.377	0	70.818	100	9:16:09
9:19:58	13.338	13.368	0	70.759	100	9:21:09
9:24:58	BAD DATA	BAD DATA	0	70.684	100	9:26:09
9:29:57	BAD DATA	BAD DATA	0	70.639	100	9:31:09
9:34:57	BAD DATA	BAD DATA	0	70.59	100	9:36:09
9:39:57	BAD DATA	BAD DATA	0	70.549	100	9:41:09
9:44:57	BAD DATA	BAD DATA	0	70.486	100	9:46:09
9:49:57	BAD DATA	BAD DATA	0	70.444	100	9:51:09

2000 PERRY EVA TESTED EXERCISE

TABLE 7.2.2

TIME	FEEDWATER FLOW (Mlbm)	STEAM FLOW (Mlbm)	BYP VALVE POS C85EA011	CONT VALVE POS N32EA010	STOP VALVE POS N32EA001	TIME
9:54:57	BAD DATA	BAD DATA	0	70.406	100	9:56:09
9:59:57	BAD DATA	BAD DATA	0	70.377	100	10:01:09
10:04:57	BAD DATA	BAD DATA	0	70.338	100	10:06:09
10:09:57	BAD DATA	BAD DATA	0	70.307	100	10:11:09
10:14:57	BAD DATA	BAD DATA	0	70.27	100	10:16:09
10:19:57	BAD DATA	BAD DATA	0	70.247	100	10:21:09
10:24:57	BAD DATA	BAD DATA	0	70.217	100	10:26:09
10:29:57	BAD DATA	BAD DATA	0	70.183	100	10:31:09
10:34:57	13.232	13.261	0	70.141	100	10:36:09
10:39:57	13.225	13.254	0	70.14	100	10:41:08
10:49:48	12.434	BAD DATA	0	0	0	13:15:58
10:54:48	0.04	BAD DATA	0	0	0	13:20:58
10:59:48	0.101	BAD DATA	0	0	0	13:25:58
11:04:48	0.138	BAD DATA	0	0	0	13:30:58
11:09:48	0.076	BAD DATA	0	0	0	13:35:58
11:14:48	0.055	BAD DATA	0	0	0	13:40:58
11:19:48	0.463	BAD DATA	0	0	0	13:45:58
11:24:48	0.104	BAD DATA	0	0	0	13:50:58
11:29:48	0.092	BAD DATA	0	0	0	13:55:58
11:34:48	0.073	BAD DATA	0	0	0	14:00:58
11:39:48	0.04	BAD DATA	0	0	0	14:05:57
11:44:48	0.052	BAD DATA	0	0	0	14:10:58
11:49:48	0.043	BAD DATA	0	0	0	14:15:57
11:54:48	0.01	BAD DATA	0	0	0	14:20:57
11:59:48	0.005	BAD DATA	0	0	0	14:25:57
12:04:48	0.005	BAD DATA	0	0	0	14:30:57
12:09:48	0.005	BAD DATA	0	0	0	14:35:57
12:14:48	0.005	BAD DATA	0	0	0	14:40:57
12:19:48	0.005	BAD DATA	0	0	0	14:45:57
12:24:47	0.005	BAD DATA	0	0	0	14:50:57
12:29:48	0	BAD DATA	0	0	0	14:55:57
12:34:47	0.001	BAD DATA	0	0	0	15:00:56
12:39:47	0.001	BAD DATA	0	0	0	15:05:57
12:44:47	0.001	BAD DATA	0	0	0	15:10:57
12:49:47	0.001	BAD DATA	0	0	0	15:15:57

**2000 PERRY EVA ATED EXERCISE  
TABLE 7.2.2**

TIME	FEEDWATER FLOW (Mlbm) N27BD001	STEAM FLOW (Mlbm) N11BD001	BYP VALVE POS C85EA011	CONT VALVE POS N32EA010	STOP VALVE POS N32EA001	TIME
12:54:47	0.001	BAD DATA	0	0	0	15:20:57
12:59:47	0.001	BAD DATA	0	0	0	15:25:57
13:04:47	0.001	BAD DATA	0	0	0	15:30:57
13:09:47	0.001	BAD DATA	0	0	0	15:35:57
13:14:47	0.001	BAD DATA	0	0	0	15:40:57
13:19:47	0.001	BAD DATA	0	0	0	15:45:57
13:24:47	0.001	BAD DATA	0	0	0	15:50:57
13:29:47	0.001	BAD DATA	0	0	0	15:55:57
13:34:47	0.001	BAD DATA	0	0	0	16:00:57
13:39:47	0.001	BAD DATA	0	0	0	16:05:56
13:44:47	0.001	BAD DATA	0	0	0	16:10:56
13:49:47	0.001	BAD DATA	0	0	0	16:15:56
13:54:47	BAD DATA	BAD DATA	0	0	0	16:20:56
13:59:47	BAD DATA	BAD DATA	0	0	0	16:25:56
14:04:47	BAD DATA	BAD DATA	0	0	0	16:30:56
14:09:46	BAD DATA	BAD DATA	0	0	0	16:35:56
14:14:46	BAD DATA	BAD DATA	0	0	0	16:40:55
14:19:46	BAD DATA	BAD DATA	0	0	0	16:45:56
14:24:46	BAD DATA	BAD DATA	0	0	0	16:50:56
14:29:46	BAD DATA	BAD DATA	0	0	0	16:55:56
14:31:29	BAD DATA	BAD DATA	0	0	0	16:57:38

**Table 7.2.3**

**RADIATION DATA SUMMARY TRENDS**

2000 PERRY EVA ATED EXERCISE

Table 7.2.4

TIME	Plant Vent 1 1D17- K786 CPM D17EA030	Plant Vent 1 1D19- N300 uCi/cc D19EA003	Plant Vent 1 1D19-340 uCi/cc D19EA004	Plant Vent 1 Flow 1M33-N125A KCFM M33EA001	Plant Vent 2 2D17- K786 CPM D17EA530	Plant Vent 2 2D19- N300 uCi/cc D19EA503	Plant Vent 2 2D19- N340 uCi/cc D19EA504	Plant Vent 2 Flow 1M33-N125B KCFM M33EA002
6 54 59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
6 59 59	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 04 59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
7 09 59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
7 14 59	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 19 59	100	0.001	1.02	88.496	88	0.001	1.02	54.546
7 24 58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
7 29 58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
7 34 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 39 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 44 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 49 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 54 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7 59 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 04 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 09 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 14 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 19 58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8 24 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 29 58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8 34 58	100	0.001	1.02	88.496	88	0.001	1.02	54.545
8 39 58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8 44 58	100	0.001	1.02	88.496	88	0.001	1.02	54.545
8 49 58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
8 54 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8 59 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 04 58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 09 58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
9 14 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 19 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 24 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 29 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 34 57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
9 39 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 44 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 49 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 54 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9 59 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 04 57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10 09 57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10 14 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 19 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 24 56	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 29 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 34 57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10 39 57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10 49 51	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10 54 51	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10 59 51	100	0.001	1.02	88.496	88	0.001	1.02	54.546
11 04 51	100	0.001	1.02	88.496	88	0.001	1.02	54.546
11 09 51	340.051	1.166	1.166	88.496	88	0.001	1.02	54.547

2000 PERRY EVA ATED EXERCISE

Table 7.2.4

TIME	Plant Vent 1 1D17- K786 CPM D17EA030	Plant Vent 11D19- N300 uCi/cc D19EA003	Plant Vent 1 1D19-340 uCi/cc D19EA004	Plant Vent 1 Flow 1M33-N125A KCFM M33EA001	Plant Vent 2 2D17- K786 CPM D17EA530	Plant Vent 2 2D19- N300 uCi/cc D19EA503	Plant Vent 2 2D19- N340 uCi/cc D19EA504	Plant Vent 2 Flow 1M33-N125B KCFM M33EA002
11:14:51	709.955	1.205	1.205	88.496	88	0.001	1.02	54.547
11:19:51	1081.303	1.211	1.211	88.496	88	0.001	1.02	54.548
11:24:51	1209.988	1.295	1.295	88.496	88	0.001	1.02	54.548
11:29:51	1209.988	1.159	1.159	88.496	88	0.001	1.02	54.548
11:34:51	1209.988	1.033	1.033	88.496	88	0.001	1.02	54.548
11:39:50	1209.988	0.886	1.02	88.496	88	0.001	1.02	54.549
11:44:51	1209.988	0.938	1.02	88.496	88	0.001	1.02	54.547
11:49:50	1209.988	0.824	1.02	88.496	88	0.001	1.02	54.55
11:54:50	1209.988	0.896	1.02	88.496	88	0.001	1.02	54.55
11:59:50	1209.988	0.735	1.02	88.496	88	0.001	1.02	54.55
12:04:50	1209.988	0.723	1.02	88.496	88	0.001	1.02	54.549
12:09:50	1209.988	0.672	1.02	88.496	88	0.001	1.02	54.55
12:14:50	1209.988	0.605	1.02	88.496	88	0.001	1.02	54.55
12:19:50	1209.988	0.607	1.02	88.496	88	0.001	1.02	54.55
12:24:50	1209.988	0.578	1.02	88.496	88	0.001	1.02	54.55
12:29:50	1209.988	0.527	1.02	88.496	88	0.001	1.02	54.549
12:34:50	2128.154	0.525	1.02	88.496	88	0.001	1.02	54.549
12:39:50	5009.949	0.501	1.02	88.496	88	0.001	1.02	54.549
12:44:50	5009.949	0.487	1.02	88.496	88	0.001	1.02	54.551
12:49:50	5009.949	0.463	1.02	88.496	88	0.001	1.02	54.55
12:54:50	5009.949	0.484	1.02	88.496	88	0.001	1.02	54.55
12:59:50	5009.949	0.604	1.02	88.496	88	0.001	1.02	54.55
13:04:50	5009.949	0.354	1.02	88.496	88	0.001	1.02	54.55
13:09:50	5009.949	0.315	1.02	88.496	88	0.001	1.02	54.55
13:14:50	5009.949	0.96	1.02	88.496	88	0.001	1.02	54.55
13:19:50	5009.949	1.138	1.138	88.496	88	0.001	1.02	54.551
13:24:50	5009.949	0.981	1.02	88.496	88	0.001	1.02	54.549
13:29:49	5009.949	0.864	1.02	88.496	88	0.001	1.02	54.551
13:34:50	5009.949	0.785	1.02	88.496	88	0.001	1.02	54.548
13:39:49	5009.949	0.703	1.02	88.496	88	0.001	1.02	54.549
13:44:49	4275.477	0.731	1.02	88.496	88	0.001	1.02	54.549
13:49:49	2672.329	0.014	1.02	88.496	88	0.001	1.02	54.55
13:54:49	1059.268	0.001	1.02	88.496	88	0.001	1.02	54.549
13:59:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.549
14:04:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55
14:09:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55
14:14:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55
14:19:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551
14:24:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55
14:29:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551
14:31:29	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551



2000 PERRY EVA TESTED EXERCISE

Table 7.2.4

TIME	Offgas Vent D17-K836	Offgas Vent D19-N400	Offgas Vent D-N440	Offgas Vent Flow M36-N090	TB&HB Vent D17-K856	TB&HB Vent D19-	TB&HB Vent D19-	TB&HB Vent Flow M41-N260
	CPM D17EA033	uCi/cc D19EA005	uCi/cc D19EA006	KCFM M36EA001	CPM D17EA036	N500 uCi/cc D19EA007	N540 uCi/cc D19EA008	KCFM M41EA001
6 54 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
6 59 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 04 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 09 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 14 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 19 59	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 24 58	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 29 58	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 34 58	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 39 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
7 44 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
7 49 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
7 54 58	50	0.001	1.02	17 578	50	0.001	1.02	170.41
7 59 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 04 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 09 58	50	0.001	1.02	17 578	50	0.001	1.02	170.41
8 14 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 19 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 24 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 29 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 34 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 39 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 44 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 49 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 54 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
8 59 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
9 04 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
9 09 58	50	0.001	1.02	17 579	50	0.001	1.02	170.41
9 14 57	50	0.001	1.02	17 579	50	0.001	1.02	170.41
9 19 57	50	0.001	1.02	17 579	50	0.001	1.02	170.41
9 24 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 29 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 34 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 39 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 44 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 49 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 54 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
9 59 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 04 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 09 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 14 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 19 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 24 56	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 29 57	50	0.001	1.02	17 56	50	0.001	1.02	170.41
10 34 57	50	0.001	1.02	17 94	50	0.001	1.02	170.41
10 39 57	50	0.001	1.02	17 585	50	0.001	1.02	170.41
10 49 51	50	0.001	1.02	17 57	50	0.001	1.02	170.41
10 54 51	50	0.001	1.02	17 589	50	0.001	1.02	170.41
10 59 51	50	0.001	1.02	17 532	50	0.001	1.02	170.41
11 04 51	50	0.001	1.02	17 547	50	0.001	1.02	170.41
11 09 51	50	0.052	1.02	17 428	50	0.001	1.02	170.41
				17.288	1121.663	0.118	1.02	170.41

2000 PERRY EVALUATED EXERCISE

Table 7.2.4

	Offgas Vent D17-K836	Offgas Vent D19-N400	Offgas Vent D-N440	Offgas Vent Flow M36-N090	TB&HB Vent D17-K856	TB&HB Vent D19-	TB&HB Vent D19-	TB&HB Vent Flow M41-N260
	CPM	uCi/cc	uCi/cc	KCFM	CPM	N500 uCi/cc	N540 uCi/cc	KCFM
TIME	D17EA033	D19EA005	D19EA006	M36EA001	D17EA036	D19EA007	D19EA008	M41EA001
11:14:51	50	0.054	1.02	17.288	2773.6	0.123	1.02	170.41
11:19:51	50	0.055	1.02	17.288	4433.207	0.124	1.02	170.41
11:24:51	50	0.058	1.02	17.288	5009.949	0.133	1.02	170.41
11:29:51	50	0.052	1.02	17.289	5009.949	0.118	1.02	170.41
11:34:51	50	0.046	1.02	17.289	5009.949	0.106	1.02	170.41
11:39:50	50	0.04	1.02	17.288	5009.949	0.09	1.02	170.41
11:44:51	50	0.041	1.02	17.287	5009.949	0.097	1.02	170.41
11:49:50	50	0.035	1.02	17.287	5009.949	0.085	1.02	170.41
11:54:50	50	0.039	1.02	17.287	5009.949	0.092	1.02	170.41
11:59:50	50	0.032	1.02	17.288	5009.949	0.075	1.02	170.41
12:04:50	50	0.033	1.02	17.288	5009.949	0.074	1.02	170.41
12:09:50	50	0.029	1.02	17.288	5009.949	0.069	1.02	170.41
12:14:50	50	0.028	1.02	17.288	5009.949	0.063	1.02	170.41
12:19:50	50	0.026	1.02	17.288	5009.949	0.063	1.02	170.41
12:24:50	50	0.026	1.02	17.288	5009.949	0.059	1.02	170.41
12:29:50	50	0.024	1.02	17.288	5009.949	0.055	1.02	170.41
12:34:50	50	0.023	1.02	17.288	52042.789	0.054	1.02	170.41
12:39:50	50	0.022	1.02	17.288	200008	0.052	1.02	170.41
12:44:50	50	0.021	1.02	17.288	200008	0.05	1.02	170.41
12:49:50	50	0.021	1.02	17.288	200008	0.048	1.02	170.41
12:54:50	50	0.022	1.02	17.288	200008	0.05	1.02	170.41
12:59:50	50	0.027	1.02	17.289	200008	0.062	1.02	170.41
13:04:50	50	0.013	1.02	17.289	200008	0.037	1.02	170.41
13:09:50	50	0.012	1.02	17.289	200008	0.033	1.02	170.41
13:14:50	50	0.04	1.02	17.289	200008	0.098	1.02	170.41
13:19:50	50	0.05	1.02	17.289	200008	0.116	1.02	170.41
13:24:50	50	0.043	1.02	17.289	200008	0.101	1.02	170.41
13:29:49	50	0.039	1.02	17.289	200008	0.088	1.02	170.41
13:34:50	50	0.034	1.02	17.289	200008	0.08	1.02	170.41
13:39:49	50	0.032	1.02	17.289	200008	0.072	1.02	170.41
13:44:49	50	0.032	1.02	17.289	169472.625	0.075	1.02	170.41
13:49:49	50	0.001	1.02	17.289	102729.875	0.002	1.02	170.41
13:54:49	50	0.001	1.02	17.289	35570.266	0.001	1.02	170.41
13:59:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:04:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:09:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:14:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:19:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:24:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:29:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:31:29	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41

2000 PERRY EVA ATED EXERCISE

Table 7.2.4

TIME	CNTMT ATM MON D19-N200A	DW ATM MON D19-N100A	CNTMT ATM MON		D19-	DW ATM MON D19-N100B	620' AB MSL B	D17-	574 AB West D21-K122	599' CNTMT, AIRLK	
	R/HR D19EA020	R/HR D19EA021	N200B	R/HR D19EA001	R/HR D19EA002	R/HR	K610B MR/HR D17EA012	MR/HR D21EA009	MR/HR D21-K033	MR/HR D21EA007	
6 54.59	2.225	2.225		2.225	2.225		324.999	0.705			1
6 59.59	2.225	2.225		2.225	2.225		325.181	0.704			1
7 04.59	2.225	2.225		2.225	2.225		325.172	0.705			1
7 09.59	2.225	2.225		2.225	2.225		325.188	0.705			1
7 14.59	2.225	2.225		2.225	2.225		324.991	0.704			1
7 19.59	2.136	2.136		2.136	2.136		296.928	0.678			1
7 24.58	2.132	2.132		2.132	2.132		295.479	0.677			1
7 29.58	2.131	2.131		2.131	2.131		295.262	0.676			1
7 34.58	2.13	2.13		2.13	2.13		294.942	0.676			1
7 39.58	2.128	2.128		2.128	2.128		294.443	0.676			1
7 44.58	2.127	2.127		2.127	2.127		293.865	0.675			1
7 49.58	2.126	2.126		2.126	2.126		293.721	0.675			1
7 54.58	2.124	2.124		2.124	2.124		293.129	0.674			1
7 59.58	2.123	2.123		2.123	2.123		292.652	0.674			1
8 04.58	2.122	2.122		2.122	2.122		292.396	0.674			1
8 09.58	2.121	2.121		2.121	2.121		292.103	0.673			1
8 14.58	2.12	2.12		2.12	2.12		291.71	0.673			1
8 19.58	2.119	2.119		2.119	2.119		291.375	0.673			1
8 24.58	2.118	2.118		2.118	2.118		291.266	0.673			1
8 29.58	2.117	2.117		2.117	2.117		290.718	0.672			1
8 34.58	2.117	2.116		2.117	2.116		290.557	0.672			1
8 39.58	2.115	2.115		2.115	2.115		290.266	0.672			1
8 44.58	2.115	2.115		2.115	2.115		290.229	0.671			1
8 49.58	2.115	2.114		2.115	2.114		289.912	0.671			1
8 54.58	2.114	2.113		2.114	2.113		289.502	0.671			1
8 59.58	2.113	2.113		2.113	2.113		289.448	0.671			1
9 04.58	2.112	2.112		2.112	2.112		289.218	0.671			1
9 09.58	2.111	2.111		2.111	2.111		289.059	0.67			1
9 14.57	2.11	2.11		2.11	2.11		288.713	0.67			1
9 19.57	2.11	2.109		2.11	2.109		288.282	0.67			1
9 24.57	2.109	2.109		2.109	2.109		288.278	0.67			1
9 29.57	2.109	2.109		2.109	2.109		288.161	0.67			1
9 34.57	2.108	2.108		2.108	2.108		288.126	0.67			1
9 39.57	2.108	2.108		2.108	2.108		287.89	0.669			1
9 44.57	2.108	2.108		2.108	2.108		287.945	0.669			1
9 49.57	2.107	2.107		2.107	2.107		287.507	0.669			1
9 54.57	2.106	2.106		2.106	2.106		287.437	0.669			1
9 59.57	2.106	2.106		2.106	2.106		287.212	0.669			1
10 04.57	2.105	2.105		2.105	2.105		287.155	0.669			1
10 09.57	2.105	2.105		2.105	2.105		286.939	0.668			1
10 14.57	2.104	2.104		2.104	2.104		286.862	0.668			1
10 19.57	2.105	2.105		2.105	2.105		286.947	0.668			1
10 24.56	2.104	2.104		2.104	2.104		286.704	0.668			1
10 29.57	2.104	2.104		2.104	2.104		286.807	0.668			1
10 34.57	2.104	2.104		2.104	2.104		286.745	0.668			1
10 39.57	2.104	2.104		2.104	2.104		286.639	0.668			1
10 49.51	1.268	1.272		1.268	1.272		3.5	0.419			1
10 54.51	1.243	1.243		1.243	1.243		3.5	0.41			1
10 59.51	1.235	1.235		1.235	1.235		3.5	0.408			1
11 04.51	1.232	1.232		1.232	1.232		3.5	0.407			1
11 09.51	1.232	1.232		1.232	1.232		389.114	1.45			1

2000 PERRY EVALUATED EXERCISE

Table 7.2.4

TIME	CNTMT ATM MON D19-N200A	DW ATM MON D19-N100A	CNTMT ATM MON D19-N200B	D19-	DW ATM MON D19-N100B	620' AB MSL B	D17-	574 AB West D21-K122	599' CNTMT, AIRLK
	R/HR D19EA020	R/HR D19EA021	R/HR D19EA001	R/HR	R/HR D19EA002	K610B MR/HR D17EA012	MR/HR	MR/HR D21EA009	MR/HR D21-K033 D21EA007
11:14:51	1.228	1.228	1.228		1.228	556.337		1.742	1
11:19:51	1.23	1.23	1.23		1.23	724.776		1.479	1
11:24:51	1.23	1.23	1.23		1.23	784		1.784	1
11:29:51	1.225	1.225	1.225		1.225	784		1.315	1
11:34:51	1.229	1.229	1.229		1.229	784		1.324	1
11:39:50	1.228	1.228	1.228		1.228	784		1.151	1
11:44:51	1.227	1.227	1.227		1.227	784		1.514	1
11:49:50	1.225	1.225	1.225		1.225	784		1.307	1
11:54:50	1.226	1.226	1.226		1.226	784		1.294	1
11:59:50	1.224	1.224	1.224		1.224	784		1.088	1
12:04:50	1.223	1.223	1.223		1.223	784		1.043	1
12:09:50	1.222	1.222	1.222		1.222	784		1.174	1
12:14:50	1.221	1.221	1.221		1.221	784		0.916	1
12:19:50	1.221	1.221	1.221		1.221	784		1.057	1
12:24:50	1.221	1.221	1.221		1.221	784		0.894	1
12:29:50	1.221	1.221	1.221		1.221	784		0.855	1
12:34:50	122008.875	123482	1227.096		1240.802	2944.994		0.947	2461.988
12:39:50	500000.75	500000.75	5000.898		5000.898	9799.996		1.013	9998.441
12:44:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.984	9998.441
12:49:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.829	9998.441
12:54:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.832	9998.441
12:59:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.865	9998.441
13:04:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.882	9998.441
13:09:50	500000.75	500000.75	5000.898		5000.898	9799.996		0.694	9998.441
13:14:50	500000.75	500000.75	5000.898		5000.898	9799.996		1.696	9998.441
13:19:50	500000.75	500000.75	5000.898		5000.898	9799.996		1.482	9998.441
13:24:50	500000.75	500000.75	5000.898		5000.898	9799.996		1.345	9998.441
13:29:49	500000.75	500000.75	5000.898		5000.898	9799.996		1.178	9998.441
13:34:50	500000.75	500000.75	5000.898		5000.898	9799.996		1.219	9998.441
13:39:49	500000.75	500000.75	5000.898		5000.898	9799.996		0.977	9998.441
13:44:49	500000.75	500000.75	5000.898		5000.898	8605.461		1.085	9998.441
13:49:49	500000.75	500000.75	5000.898		5000.898	5976.168		0.413	9998.441
13:54:49	500000.75	500000.75	5000.898		5000.898	3356.511		0.404	9998.441
13:59:49	500000.75	500000.75	5000.898		5000.898	1960		0.404	9998.441
14:04:49	500000.75	500000.75	5000.898		5000.898	1960		0.404	9998.441
14:09:49	500000.75	500000.75	5000.898		5000.898	1960		0.404	9998.441
14:14:49	500000.75	500000.75	5000.898		5000.898	1960		0.404	9998.441
14:19:49	500000.75	500000.75	5000.898		5000.898	1960		0.403	9998.441
14:24:49	500000.75	500000.75	5000.898		5000.898	1960		0.403	9998.441
14:29:49	500000.75	500000.75	5000.898		5000.898	1960		0.403	9998.441
14:31:29	500000.75	500000.75	5000.898		5000.898	1960		0.403	9998.441

2000 PERRY EVA ATED EXERCISE

Table 7.2.4

TIME	620' CNTMT CRD HCU		642' CNTMT RWCU FL DRN		690' CNTMT UP POOLS		690' CNTMT, UP POOLS D21-K083		577' TB, HTWL PMP		605' TB, K21-K172		647' TB, West D21-		548' TPC, SUMP	
	West	D21-K042 MR/HR	D21-K052 MR/HR	D21-K072 MR/HR	D21-K072 MR/HR	D21-K072 MR/HR	D21-K072 MR/HR	D21-K072 MR/HR	AREA	D21-K182 MR/HR	D21-K182 MR/HR	D21-K182 MR/HR	K162 MR/HR	D21-K162 MR/HR	D21-K192 MR/HR	D21-K192 MR/HR
	D21EA002	D21EA004	D21EA004	D21EA003	D21EA003	D21EA003	D21EA006	D21EA014	D21EA014	D21EA016	D21EA016	D21EA016	D21EA013	D21EA013	D21EA015	D21EA015
6:54:59	2.223	5.045		3			1.923	0.3		0.2		0.4			101.7	
6:59:59	2.222	5.044		3			1.923	0.3		0.2		0.4			101.673	
7:04:59	2.223	5.046		3			1.923	0.3		0.2		0.4			101.81	
7:09:59	2.223	5.046		3			1.923	0.3		0.2		0.4			101.733	
7:14:59	2.222	5.044		3			1.923	0.3		0.2		0.4			101.621	
7:19:59	2.363	4.778		3			1.886	0.3		0.2		0.4			92.82	
7:24:58	2.804	4.767		3			1.884	0.3		0.2		0.4			92.447	
7:29:58	3.1	4.763		3			1.884	0.3		0.2		0.4			92.347	
7:34:58	3.1	4.763		3			1.884	0.3		0.2		0.4			92.266	
7:39:58	3.1	4.755		3			1.883	0.3		0.2		0.4			92.08	
7:44:58	3.1	4.75		3			1.882	0.3		0.2		0.4			91.952	
7:49:58	3.1	4.746		3			1.881	0.3		0.2		0.4			91.714	
7:54:58	3.1	4.743		3			1.881	0.3		0.2		0.4			91.614	
7:59:58	3.1	4.738		3			1.88	0.3		0.2		0.4			91.417	
8:04:58	3.1	4.736		3			1.88	0.3		0.2		0.4			91.338	
8:09:58	3.1	4.733		3			1.88	0.3		0.2		0.4			91.227	
8:14:58	3.1	4.729		3			1.879	0.3		0.2		0.4			91.132	
8:19:58	3.1	4.726		3			1.879	0.3		0.2		0.4			91.013	
8:24:58	3.1	4.725		3			1.878	0.3		0.2		0.4			91.1	
8:29:58	3.1	4.72		3			1.878	0.3		0.2		0.4			90.854	
8:34:58	3.1	4.72		3			1.878	0.3		0.2		0.4			90.88	
8:39:58	3.1	4.716		3			1.877	0.3		0.2		0.4			90.701	
8:44:58	3.1	4.714		3			1.877	0.3		0.2		0.4			90.647	
8:49:58	3.1	4.712		3			1.877	0.3		0.2		0.4			90.632	
8:54:58	3.1	4.712		3			1.877	0.3		0.2		0.4			90.612	
8:59:58	3.1	4.708		3			1.876	0.3		0.2		0.4			90.379	
9:04:58	3.1	4.706		3			1.876	0.3		0.2		0.4			90.444	
9:09:58	3.1	4.703		3			1.875	0.3		0.2		0.4			90.37	
9:14:57	3.1	4.701		3			1.875	0.3		0.2		0.4			90.272	
9:19:57	3.1	4.697		3			1.875	0.3		0.2		0.4			90.159	
9:24:57	3.1	4.697		3			1.875	0.3		0.2		0.4			90.113	
9:29:57	3.1	4.696		3			1.874	0.3		0.2		0.4			90.095	
9:34:57	3.1	4.695		3			1.874	0.3		0.2		0.4			89.966	
9:39:57	3.1	4.694		3			1.874	0.3		0.2		0.4			90.029	
9:44:57	3.1	4.694		3			1.874	0.3		0.2		0.4			90.037	
9:49:57	3.1	4.69		3			1.874	0.3		0.2		0.4			89.804	
9:54:57	3.1	4.689		3			1.873	0.3		0.2		0.4			89.896	
9:59:57	3.1	4.687		3			1.873	0.3		0.2		0.4			89.81	
10:04:57	3.1	4.686		3			1.873	0.3		0.2		0.4			89.713	
10:09:57	3.1	4.684		3			1.873	0.3		0.2		0.4			89.597	
10:14:57	3.1	4.683		3			1.873	0.3		0.2		0.4			89.711	
10:19:57	3.1	4.684		3			1.873	0.3		0.2		0.4			89.708	
10:24:56	3.1	4.682		3			1.872	0.3		0.2		0.4			89.618	
10:29:57	3.1	4.683		3			1.873	0.3		0.2		0.4			89.718	
10:34:57	3.1	4.682		3			1.873	0.3		0.2		0.4			89.554	
10:39:57	3.1	4.681		3			1.872	0.3		0.2		0.4			89.503	
10:49:51	3.1	2.186		3			1.526	0.3		0.2		0.4			6.382	
10:54:51	3.1	2.099		3			1.514	0.3		0.2		0.4			3.567	
10:59:51	3.1	2.076		3			1.511	0.3		0.2		0.4			2.733	
11:04:51	3.1	2.065		3			1.509	0.3		0.2		0.4			2.302	
11:09:51	3.1	3.109		3			1.509	21.702		43.127		43.326			91.797	

2000 PERRY EVA. DATED EXERCISE

Table 7.2.4

TIME	620' CNTMT CRD HCU		642' CNTMT RWCU FL DRN		690' CNTMT UP POOLS		690' CNTMT, UP POOLS D21-K083		577' TB, HTWL PMP		605' TB, K21-K172		647' TB, West D21-		548' TPC, SUMP	
	West	D21-K042 MR/HR	D21-K052 MR/HR	D21-K072 MR/HR	D21-K072 MR/HR	D21-K083 MR/HR	AREA	D21-K182 MR/HR	MR/HR	MR/HR	MR/HR	K162 MR/HR	MR/HR	D21-K192 MR/HR	D21-K192 MR/HR	D21-K192 MR/HR
	D21EA002	D21EA004	D21EA004	D21EA003	D21EA003	D21EA006	D21EA014	D21EA016	D21EA016	D21EA016	D21EA013	D21EA013	D21EA013	D21EA015	D21EA015	D21EA015
11 14:51	3 1	3 392	3	3	1 508	54 998	109 806	109 883	95 282							
11 19:51	3 1	3 133	3	3	1 508	88 411	176 745	176 699	98 781							
11 24:51	3 1	3 439	3	3	1 508	100 099	200 098	200 098	100 099							
11 29:51	3 1	2 955	3	3	1 506	100 099	200 098	200 098	100 099							
11 34:51	3 1	2 976	3	3	1 508	100 099	200 098	200 098	100 099							
11 39:50	3 1	2 799	3	3	1 507	100 099	200 098	200 098	100 099							
11 44:51	3 1	3 16	3	3	1 772	100 099	200 098	200 098	100 099							
11 49:50	3 1	2 948	3	3	1 986	100 099	200 098	200 098	100 099							
11 54:50	3 1	2 937	3	3	2 016	100 099	200 098	200 098	100 099							
11 59:50	3 1	2 726	3	3	1 94	100 099	200 098	200 098	100 099							
12 04:50	3 1	2 68	3	3	1 929	100 099	200 098	200 098	100 099							
12 09:50	3 1	2 806	3	3	1 884	100 099	200 098	200 098	100 099							
12 14:50	3 1	2 546	3	3	1 856	100 099	200 098	200 098	100 099							
12 19:50	3 1	2 686	3	3	1 849	100 099	200 098	200 098	100 099							
12 24:50	3 1	2 523	3	3	1 843	100 099	200 098	200 098	100 099							
12 29:50	3 1	2 484	3	3	1 838	100 099	200 098	200 098	100 099							
12 34:50	2394 826	2462 441	2424 927	2421 964	2442 838	2523 334	2527 811	2438 59								
12 39:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
12 44:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
12 49:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
12 54:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
12 59:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 04:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 09:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 14:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 19:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 24:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 29:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 34:50	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 39:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 44:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 49:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA							
13 54:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	6110 09	6109 348	6108 602	6114 176							
13 59:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	3418 968	3418 222	3417 478	3420 721							
14 04:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 09:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 14:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 19:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 24:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 29:49	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							
14 31:29	BAD DATA	BAD DATA	BAD DATA	BAD DATA	BAD DATA	2000 08	2000 08	2000 08	2000 08							

2000 PERRY EVA ATED EXERCISE

Table 7.2.4

TIME	568' TPC, CNDS FLTR		602' OG, AFT FLTR		647' HB, FD PMP		599'IB, FPCC FL DRN		620' FHB, SPNT FUEL
	PMP	D21-K192	584' OG, D21-K202	AREA D21-K222	600' HB, HP FW HTR AREA	AREA D21-K242	D21-K312	MR/HR	STG PL D21-K332
	MR/HR	D21EA017	MR/HR	D21EA019	MR/HR	D21EA010	MR/HR	D21EA027	MR/HR
6 54 59	0.521	0.479	0.481	2.404	0.778	0.416	2.889		
6 59 59	0.458	0.584	0.473	2.393	0.794	0.416	2.938		
7 04 59	0.599	0.511	0.438	2.53	0.852	0.396	3.053		
7 09 59	0.405	0.463	0.595	2.446	0.86	0.394	2.978		
7 14 59	0.592	0.549	0.602	2.415	0.862	0.378	3.041		
7 19 59	0.43	0.502	0.382	2.319	0.84	0.395	2.895		
7 24 58	0.574	0.444	0.372	2.201	0.838	0.407	2.854		
7 29 58	0.425	0.482	0.446	2.333	0.797	0.397	3.07		
7 34 58	0.504	0.532	0.565	2.328	0.733	0.404	3.097		
7 39 58	0.514	0.507	0.502	2.273	0.82	0.386	2.905		
7 44 58	0.447	0.422	0.496	2.137	0.8	0.394	3.053		
7 49 58	0.448	0.517	0.53	2.226	0.658	0.4	2.983		
7 54 58	0.551	0.421	0.529	2.256	0.848	0.396	3.054		
7 59 58	0.523	0.429	0.426	2.144	0.836	0.405	2.918		
8 04 58	0.564	0.412	0.432	2.194	0.827	0.424	2.896		
8 09 58	0.548	0.486	0.494	2.152	0.804	0.407	3.129		
8 14 58	0.475	0.51	0.434	2.167	0.721	0.418	3.064		
8 19 58	0.389	0.368	0.375	2.119	0.748	0.415	2.891		
8 24 58	0.505	0.394	0.509	2.2	0.793	0.407	3.039		
8 29 58	0.406	0.468	0.397	2.245	0.844	0.403	2.991		
8 34 58	0.53	0.367	0.551	2.203	0.68	0.385	2.913		
8 39 58	0.392	0.441	0.409	2.183	0.67	0.404	2.934		
8 44 58	0.425	0.483	0.364	2.111	0.712	0.402	3.14		
8 49 58	0.408	0.519	0.51	2.27	0.764	0.407	2.966		
8 54 58	0.394	0.474	0.516	2.228	0.674	0.403	2.962		
8 59 58	0.576	0.462	0.413	2.219	0.744	0.4	3.027		
9 04 58	0.537	0.405	0.507	2.251	0.705	0.4	3.25		
9 09 58	0.527	0.48	0.516	2.238	0.829	0.401	2.854		
9 14 57	0.511	0.466	0.527	2.197	0.809	0.384	2.968		
9 19 57	0.466	0.523	0.442	2.184	0.738	0.41	2.848		
9 24 57	0.49	0.55	0.384	2.24	0.729	0.415	2.793		
9 29 57	0.394	0.507	0.408	2.229	0.802	0.395	3.178		
9 34 57	0.442	0.545	0.517	2.2	0.792	0.412	3.016		
9 39 57	0.393	0.455	0.557	2.169	0.695	0.388	2.941		
9 44 57	0.558	0.407	0.455	2.263	0.741	0.399	3.172		
9 49 57	0.448	0.507	0.541	2.22	0.748	0.41	3.057		
9 54 57	0.477	0.548	0.493	2.189	0.826	0.407	3.014		
9 59 57	0.565	0.361	0.481	2.184	0.767	0.407	2.927		
10 04 57	0.499	0.466	0.469	2.229	0.658	0.39	3.049		
10 09 57	0.523	0.476	0.501	2.209	0.82	0.393	2.974		
10 14 57	0.396	0.386	0.485	2.133	0.694	0.407	2.82		
10 19 57	0.465	0.412	0.434	2.226	0.687	0.402	3.044		
10 24 56	0.409	0.51	0.538	2.259	0.767	0.383	3.206		
10 29 57	0.48	0.488	0.363	2.147	0.701	0.392	2.851		
10 34 57	0.442	0.546	0.428	2.217	0.777	0.408	3.103		
10 39 57	0.392	0.394	0.545	2.158	0.745	0.384	3.119		
10 49 51	0.247	0.142	0.123	0.451	0.22	0.394	2.914		
10 54 51	0.216	0.129	BAD DATA	0.534	0.257	0.396	2.882		
10 59 51	0.315	BAD DATA	0.176	0.441	0.246	0.386	3.138		
11 04 51	0.306	0.168	0.169	0.439	0.2	0.393	3.125		
11 09 51	0.337	0.144	0.109	0.441	0.254	0.39	3.149		

**Table 7.2.4**

**KEY CONTROL ROOM ANNUNCIATOR SUMMARY**



2000 PERRY EVA. SCHEDULED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

-SLC A OUT OF SERVICE-

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0700**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- SRV LEAKAGE P614 -

P601

- SRV OPEN -

P601

-SLC A OUT OF SERVICE-

P800

-ANNUL EXII SYS TRAIN A OUT OF SERVICE-

**TIME: 0720**

2000 PERRY EVA ATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

- RHR B OUT OF SERVICE -  
and/or  
- RHR A OUT OF SERVICE -  
(depending on which pumps are aligned to SP  
Cooling)

ADS A PERMISSIVE LPCS/RHR A RUN

ADS B PERMISSIVE RHR B/C RUN

P680

- SRV LEAKAGE P614 -

P601

-S.I.C A OUT OF SERVICE-

- SRV OPEN -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0725**

2000 PERRY EVA. ATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

- RHR PUMP A TRIP -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -
- AMB TEMP HIGH P632-
- RHR EQUIP AREA DIFF TEMP HIGH P632-
- ADS B PERMISSIVE RHR B/C RUN

P680

- SRV LEAKAGE P614 -

P601

- SLC A OUT OF SERVICE-
- SRV OPEN -
- RHR A/B OUT OF SERVICE -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0753**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- INHIBIT ROD MOTION RCIS OOS -

-AMB TEMP HIGH P632-

-RHR EQUIP AREA DIFF TEMP HIGH P632-

P680

- SRV LEAKAGE P614 -

P601

-SLC A OUT OF SERVICE-

- SRV OPEN -

- RHR PUMP A TRIP -

- RHR A/B OUT OF SERVICE -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0830**

2000 PERRY EVA. PLANNED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- SRV LEAKAGE P614 -

P680

- INHIBIT ROD MOTION RCIS OOS -

P601

- SRV OPEN -

P601

-SLC A OUT OF SERVICE-

- RHR PUMP A TRIP -

- RHR A/B OUT OF SERVICE -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0850**

2000 PERRY EVA ATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- SRV LEAKAGE P614 -

P601

- SRV OPEN -

P680

- INHIBIT ROD MOTION RCIS OOS -

P601

-SLC A OUT OF SERVICE-

- RHR PUMP A TRIP -

- RHR A/B OUT OF SERVICE -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 0910**

2000 PERRY EVA. ATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS  
ACKNOWLEDGED/CLEARED

NEWLY RECEIVED

LOCKED IN

P680

- ANN PWR SUPPLY FAIL -

TIME: 0920



2000 PERRY EVA. ATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

- ADS A AIR STRG TANK PRES HI/LO -

P870

-BUS L11 BREAKER TRIP

BUS L12 BREAKER TRIP

P680

COM AREA & PRCS RAD P906

P680

- ANN PWR SUPPLY FAIL -

- SRV LEAKAGE P614 -

P601

- RHR B OUT OF SERVICE -

- SRV OPEN -

P601

-SLC A OUT OF SERVICE-

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1030**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P870

- PARALLEL IA HEADER PRESSURE LOW -

P680

- SCRAM VLV AIR HEADER PRESS LO -

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

-SLC A OUT OF SERVICE-

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1046**

2000 PERRY EVA. ATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

[Status light for SDV Drain Valve, IC11- F011,  
indicates closed.]

P680

- SCRAM VLV AIR HEADER PRESS LO -

P601

-SLC A OUT OF SERVICE-

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P870

- PARALLEL IA HEADER PRESSURE LOW -

- SERVICE AIR HEADER PRESSURE LOW -

P800

-ANNUL EXII SYS TRAIN A OUT OF SERVICE-

**TIME: 1048**

2000 PERRY EVA. PLANNED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- INST VOL NOT DRAINED -

[Status lights for SDV Drain Valves, 1C11-F011 & -  
F181, and SDV Vent Valves, 1C11-F010 & -F180,  
indicate closed.]

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- SCRAM VLV AIR HEADER PRESS LO -

P601

- SLC A OUT OF SERVICE -

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P870

- PARALLEL IA HEADER PRESSURE LOW -

- SERVICE AIR HEADER PRESSURE LOW -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE -

**TIME: 1049**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- RPS MANUAL SCRAM-
- RRCS MANUAL ARI-
- RPS RX PRESS HI-
- RPS RX LEVEL LO L3-
- FULL SCRAM-

P601

- MSIV CLOSE SIGNAL RECEIVED-
- SRV OPEN SIGNAL RECEIVED-
- SRV OPEN-
- ADS A PERMISSIVE RX LEVEL 3-
- ADS B PERMISSIVE RX LEVEL 3-

ACKNOWLEDGED/CLEARED

P870

- PARALLEL IA HEADER PRESSURE LOW-
- SERVICE AIR HEADER PRESSURE LOW-

LOCKED IN

P680

- SCRAM VLV AIR HEADER PRESS LO-
- INST VOL NOT DRAINED-

P601

- SLC A OUT OF SERVICE-
- ADS A AIR STRG TANK PRES HI/LO-
- ADS B AIR STRG TANK PRES HI/LO-
- RHR PUMP A TRIP-
- RHR PUMP A DISCHARGE PRESSURE HI/LO-

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1051**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- RRCS RX LEVEL LO L2 -

P601

- BOP ISOL RX LEVEL L0 L2 -

- HPCS RX LEVEL LO L2 -

- HPCS PUMP START SIGNAL RECEIVED -

- RCIC START SIGNAL RECEIVED -

ACKNOWLEDGED/CLEARED

P870

- PARALLEL IA HEADER PRESSURE LOW -

- SERVICE AIR HEADER PRESSURE LOW -

LOCKED IN

P680

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- RPS RX PRESS HI -

-RPS RX LEVEL LO L3 -

- ADS A PERMISSIVE RX LEVEL 3 -

- ADS B PERMISSIVE RX LEVEL 3 -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

P601

-MSIV CLOSE SIGNAL RECEIVED -

-SRV OPEN SIGNAL RECEIVED -

- SRV OPEN -

-SLC A OUT OF SERVICE-

TIME: 1053 (SHEET 1 OF 2)

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1053**

**2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS**

**NEWLY RECEIVED**

P601

- SLC B OUT OF SERVICE -

[Status lights: o SQUIB B OR PWR LOSS  
o PUMP OR MOV OVLD OR PWR LOSS  
o Pump breaker lights for IC41-C001B extinguished]

Continuity light for C42-C004B extinguished

**ACKNOWLEDGED/CLEARED**

P680

- RPS RX PRESS HI -

-RPS RX LEVEL LO L3 -

- ADS A PERMISSIVE RX LEVEL 3 -

- ADS B PERMISSIVE RX LEVEL 3 -

- RRCS RX LEVEL LO L2 -

P601

- BOP ISOL RX LEVEL L0 L2 -

- HPCS RX LEVEL LO L2 -

- HPCS PUMP START SIGNAL RECEIVED -

-SRV OPEN SIGNAL RECEIVED -

- SRV OPEN -

P870

- PARALLEL IA HEADER PRESSURE LOW -

- SERVICE AIR HEADER PRESSURE LOW -

**LOCKED IN**

P680

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

P601

- RCIC START SIGNAL RECEIVED -

-MSIV CLOSE SIGNAL RECEIVED -

-SLC A OUT OF SERVICE-

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1055**



2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- RPS RX PRESS HI -

P601

-SRV OPEN SIGNAL RECEIVED -

-SRV LOGIC RX PRESSURE HIGH

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

P601

- RCIC START SIGNAL RECEIVED -

-MSIV CLOSE SIGNAL RECEIVED -

-SLC A OUT OF SERVICE-

- SLC B OUT OF SERVICE -

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1058**

**2000 PERRY EVALUATED EXERCISE**  
**7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS**

**NEWLY RECEIVED**

**P680**

- RRCS RX LEVEL LO L2 -

**P601**

- SRV OPEN -

- BOP ISOL RX LEVEL LO L2 -

- HPCS RX LEVEL LO L2 -

**ACKNOWLEDGED/CLEARED**

**LOCKED IN**

**P680**

- RPS RX PRESS HI -

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

**P601**

-SRV OPEN SIGNAL RECEIVED -

- RCIC START SIGNAL RECEIVED -

-MSIV CLOSE SIGNAL RECEIVED -

-SLC A OUT OF SERVICE-

- SLC B OUT OF SERVICE -

- ADS A AIR STRG TANK PRES HI/LO -

**TIME: 1100 (SHEET 1 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1100 (SHEET 2 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- EMG ROOM TEMP TRBL -

ACKNOWLEDGED/CLEARED

P680

- RPS RX PRESS HI -

LOCKED IN

P680

- RRCS RX LEVEL LO L2 -

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

P601

- BOP ISOL RX LEVEL I.O L2 -

- HPCS RX LEVEL LO L2 -

- RCIC START SIGNAL RECEIVED -

-MSIV CLOSE SIGNAL RECEIVED -

-SLC A OUT OF SERVICE-

- SLC B OUT OF SERVICE -

- ADS A AIR STRG TANK PRES HI/LO -

**TIME: 1105 (SHEET 1 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1105 (SHEET 2 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P680

- RPS RX PRESS HI -
- AIRBORNE RAD P804 -

P601

- SRV OPEN SIGNAL RECEIVED -
  - STEAM TUNNEL LD AMB TEMP P632 -
  - STEAM TUNNEL LD DIFF TEMP P632 -
  - TURBINE POWER COMPLEX TEMP HIGH -
- [Position indication lights on 1E51-F064  
are extinguished.]
- RCIC ISOL TIMER RUNNING ST TNL TEMP HI

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -

P601

- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- RCIC START SIGNAL RECEIVED -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- SLC B OUT OF SERVICE -

**TIME: 1108 (SHEET 1 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A TRIP -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE -

**TIME: 1108 (SHEET 2 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

P601

- SRV OPEN -

- RCIC ISOL STEAM TUNNEL HIGH -

[Position indication lights on 1E51-F063 &  
-F064 are extinguished.]

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- RPS RX PRESS HI -

- RRCS RX LEVEL LO L2 -

- EMG ROOM TEMP TRBL -

- RPS MANUAL SCRAM -

- RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

- AIRBORNE RAD P804 -

P601

- SRV OPEN SIGNAL RECEIVED -

- STEAM TUNNEL LD AMB TEMP P632 -

- STEAM TUNNEL LD DIFF TEMP P632 -

- TURBINE POWER COMPLEX TEMP HIGH -

**TIME: 1110 (SHEET 1 OF 2)**



2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- SLC B OUT OF SERVICE -
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A TRIP -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1110 (SHEET 2 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- MFP TRIP -
- MFP DC OIL PUMP START PRESS LO-

P680

- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -
- AIRBORNE RAD P804 -

P601

- RCIC ISOL STEAM FLOW HIGH -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -
- STEAM TUNNEL LD DIFF TEMP P632 -

**TIME: 1225 (SHEET 1 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- TURBINE POWER COMPLEX TEMP HIGH -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- SLC B OUT OF SERVICE -
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A TRIP -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-
- TIME: 1225 (SHEET 2 OF 2)**

**2000 PERRY EVALUATED EXERCISE**  
**7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS**

**NEWLY RECEIVED**

**ACKNOWLEDGED/CLEARED**

**LOCKED IN**

**P601**

- MSL ISOL RX LEVEL LO L1 -
- ADS B OPEN SIGNAL RECEIVED -
- LPCI A START SIGNAL RECEIVED -
- LPCI B&C START SIGNAL RECEIVED -

**P680**

- MFP TRIP -
- MFP DC OIL PUMP START PRESS LO-
- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -
- AIRBORNE RAD P804 -

**P601**

- RCIC ISOL STEAM FLOW HIGH -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -

**TIME: 1230 (SHEET 1 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- STEAM TUNNEL LD DIFF TEMP P632 -
- TURBINE POWER COMPLEX TEMP HIGH -
  
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- SLC B OUT OF SERVICE -
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A TRIP -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1230 (SHEET 2 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- MFP DC OIL PUMP START PRESS LO-
- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -
- AIRBORNE RAD P804 -

P601

- MSL ISOL RX LEVEL LO L1 -
- ADS B OPEN SIGNAL RECEIVED -
- LPCI A START SIGNAL RECEIVED -
- LPCI B&C START SIGNAL RECEIVED -

**TIME: 1235 (SHEET 1 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- RCIC ISOL STEAM FLOW HIGH -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -
- STEAM TUNNEL LD DIFF TEMP P632 -
- TURBINE POWER COMPLEX TEMP HIGH -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE -
- SLC B OUT OF SERVICE -
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE -

**TIME: 1235 (SHEET 2 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

- HPCS PUMP START SIGNAL RECEIVED -
- HPCS MAN INITIATION SWITCH ARMED -
- HPCS SUPR POOL SUCT VLV OPEN CST/SUPR  
PL LVL -

P601

- MSL ISOL RX LEVEL LO L1 -

P680

- MFP DC OIL PUMP START PRESS LO -
- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -
- AIRBORNE RAD P804 -

P601

- ADS B OPEN SIGNAL RECEIVED -
- LPCI A START SIGNAL RECEIVED -
- LPCI B&C START SIGNAL RECEIVED -
- RCIC ISOL STEAM FLOW HIGH -

**TIME: 1240 (SHEET 1 OF 3)**



2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- HPCS RX LEVEL LO L2 -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -
- STEAM TUNNEL LD DIFF TEMP P632 -
- TURBINE POWER COMPLEX TEMP HIGH -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE -
- SLC B OUT OF SERVICE -
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE -

**TIME: 1240 (SHEET 2 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

- SLC B OUT OF SERVICE -
- HPCS MAN INITIATION SWITCH ARMED -
- HPCS SUPR POOL SUCT VLV OPEN CST/SUPR  
PL LVL -

P680

- MFP DC OIL PUMP START PRESS LO -
- EMG ROOM TEMP TRBL -
- RRCS RX LEVEL LO L2 -
- RPS MANUAL SCRAM -
- RRCS MANUAL ARI -
- SCRAM VLV AIR HEADER PRESS LO -
- INST VOL NOT DRAINED -
- AIRBORNE RAD P804 -

P601

- HPCS PUMP START SIGNAL RECEIVED -
- ADS B OPEN SIGNAL RECEIVED -
- LPCI A START SIGNAL RECEIVED -
- LPCI B&C START SIGNAL RECEIVED -

**TIME: 1320 (SHEET 1 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANTS CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- RCIC ISOL STEAM FLOW HIGH -
- HPCS RX LEVEL LO L2 -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -
- STEAM TUNNEL LD DIFF TEMP P632 -
- TURBINE POWER COMPLEX TEMP HIGH -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1320 (SHEET 2 OF 3)**

2000 PERRY EVALUATED EXERCISE

7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601

-SRV OPEN -

P680

-MFP DC OIL PUMP START PRESS LO-

- EMG ROOM TEMP TRBL -

- RRCS RX LEVEL LO L2 -

- RPS MANUAL SCRAM -

-RRCS MANUAL ARI -

- SCRAM VLV AIR HEADER PRESS LO -

- INST VOL NOT DRAINED -

- AIRBORNE RAD P804 -

P601

- HPCS PUMP START SIGNAL RECEIVED -

- ADS B OPEN SIGNAL RECEIVED -

- LPCI A START SIGNAL RECEIVED -

- LPCI B&C START SIGNAL RECEIVED -

**TIME: 1340 (SHEET 1 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- RCIC ISOL STEAM FLOW HIGH -
- HPCS RX LEVEL LO L2 -
- RCIC ISOL STEAM TUNNEL HIGH -
- NS4 INBD ISOLATION OUT OF SERVICE -
- STEAM TUNNEL LD AMB TEMP P632 -
- STEAM TUNNEL LD DIFF TEMP P632 -
- TURBINE POWER COMPLEX TEMP HIGH -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1340 (SHEET 2 OF 3)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- EMG ROOM TEMP TRBL -

P601

-RCIC ISOL STEAM TUNNEL HIGH -  
- NS4 INBD ISOLATION OUT OF SERVICE -  
- STEAM TUNNEL LD AMB TEMP P632 -  
- STEAM TUNNEL LD DIFF TEMP P632 -  
-TURBINE POWER COMPLEX TEMP HIGH -

P680

-MFP DC OIL PUMP START PRESS LO-  
- RRCS RX LEVEL LO L2 -  
- RPS MANUAL SCRAM -  
-RRCS MANUAL ARI -  
- SCRAM VLV AIR HEADER PRESS LO -  
- INST VOL NOT DRAINED -  
- AIRBORNE RAD P804 -

P601

-SRV OPEN -  
- HPCS PUMP START SIGNAL RECEIVED -  
- ADS B OPEN SIGNAL RECEIVED -  
- LPCI A START SIGNAL RECEIVED -  
- LPCI B&C START SIGNAL RECEIVED -

**TIME: 1350 (SHEET 1 OF 2)**

**2000 PERRY EVALUATED EXERCISE**  
**7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS**

**NEWLY RECEIVED**

**ACKNOWLEDGED/CLEARED**

**LOCKED IN**

P601 (Cont'd)

- HPCS RX LEVEL LO L2 -
- BOP ISOL RX LEVEL LO L2 -
- HPCS RX LEVEL LO L2 -
- MSIV CLOSE SIGNAL RECEIVED -
- SLC A OUT OF SERVICE-
- ADS A AIR STRG TANK PRES HI/LO -
- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

- ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1350 (SHEET 2 OF 2)**

2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P680

- AIRBORNE RAD P804 -

P680

-MFP DC OIL PUMP START PRESS LO-  
- RRCS RX LEVEL LO L2 -  
- RPS MANUAL SCRAM -  
-RRCS MANUAL ARI -  
- SCRAM VLV AIR HEADER PRESS LO -  
- INST VOL NOT DRAINED -

P601

- SRV OPEN -  
- HPCS PUMP START SIGNAL RECEIVED -  
- ADS B OPEN SIGNAL RECEIVED -  
- LPCI A START SIGNAL RECEIVED -  
- LPCI B&C START SIGNAL RECEIVED -  
- HPCS RX LEVEL LO L2 -

**TIME: 1400 (SHEET 1 OF 2)**



2000 PERRY EVALUATED EXERCISE  
7.2.4 SIGNIFICANT CONTROL ROOM ANNUNCIATORS

NEWLY RECEIVED

ACKNOWLEDGED/CLEARED

LOCKED IN

P601 (Cont'd)

- BOP ISOL RX LEVEL LO L2 -

- HPCS RX LEVEL LO L2 -

-MSIV CLOSE SIGNAL RECEIVED -

-SLC A OUT OF SERVICE-

- ADS A AIR STRG TANK PRES HI/LO -

- RHR PUMP A DISCHARGE PRESSURE HI/LO -

P800

-ANNUL EXH SYS TRAIN A OUT OF SERVICE-

**TIME: 1400 (SHEET 2 OF 2)**

**SECTION 7.3**

**EP INFO LINE DATABASE**

**2000 PERRY EVALUATED EXERCISE  
7.3 EP INFO LINE DATABASE**

TABLE 7.3

PLANT, METEOROLOGICAL AND VENT DATA FOR EP INFO LINE

DATE	TIME	WIND	DELTA	WIND	STAB	UNIT 1 VENT		UNIT 2 VENT		OG VENT		TB VENT		PWR	RPV	RPV	CNTMT
		SPD-MPH	TEMP	DIR (FROM)		CLASS	ACT	CFM	ACT	CFM	ACT	CFM	ACT				
3/21/00	730	3.0	2.0	295	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	89	198	1007	0.0
3/21/00	745	4.0	2.1	294	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	89	198	1007	0.0
3/21/00	800	4.5	2.1	292	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	88	198	1007	0.0
3/21/00	815	7.0	2.1	291	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	88	198	1007	0.0
3/21/00	830	6.0	1.9	294	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	88	198	1007	0.0
3/21/00	845	7.5	2.1	291	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	88	198	1006	0.0
3/21/00	900	5.0	2.1	293	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1006	0.0
3/21/00	915	5.5	2.0	294	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1006	0.0
3/21/00	930	5.0	2.2	293	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1005	0.0
3/21/00	945	6.0	2.0	294	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1005	0.0

**2000 PERRY EVALUATED EXERCISE  
7.3 EP INFO LINE DATABASE**

DATE	TIME	WIND	DELTA	WIND	STAB	UNIT 1 VENT		UNIT 2 VENT		OG VENT		TB VENT		PWR	RPV	RPV	CNTMT
		<u>SPD-MPH</u>	<u>TEMP</u>	<u>DIR (FROM)</u>		<u>CLASS</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	<u>(%)</u>	<u>LVL</u>	
3/21/00	1000	6.5	2.0	291	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1005	0.0
3/21/00	1015	5.5	1.8	295	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1005	0.0
3/21/00	1030	3.0	1.9	296	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	87	198	1005	0.0
3/21/00	1045	4.0	2.0	295	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	75	198	1005	0.0
3/21/00	1100	3.5	1.9	294	F	6.8E+01 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	9.5E+01 L-NCPM	1.7E+05	17	183	1070	0.5
3/21/00	1115	4.0	1.8	292	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	3	29	1152	0.7
3/21/00	1130	4.0	1.9	295	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	1	17	958	0.9
3/21/00	1145	5.5	1.8	294	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	1	13	950	0.9
3/21/00	1200	5.5	2.2	295	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	1	9	941	0.9
3/21/00	1215	5.0	2.2	293	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	1	4	932	1.0

**2000 PERRY EVALUATED EXERCISE  
7.3 EP INFO LINE DATABASE**

TABLE 7.3 (Cont.)

PLANT, METEOROLOGICAL AND VENT DATA FOR EP INFO LINE

DATE	TIME	WIND	DELTA	WIND	STAB	UNIT 1 VENT		UNIT 2 VENT		OG VENT		TB VENT		PWR	RPV	RPV	CNTMT_
		<u>SPD-MPH</u>	<u>TEMP</u>	<u>DIR (FROM)</u>		<u>CLASS</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	<u>ACT</u>	<u>CFM</u>	(%)	<u>LVL</u>	
3/21/00	1230	4.5	2.1	294	F	1.2E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	0	-1	923	1.0
3/21/00	1245	5.0	2.0	291	F	5.0E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	2.0E+05 L-NCPM	1.7E+05	0	21	681	1.2
3/21/00	1300	5.5	2.0	291	F	5.0E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	2.0E+05 L-NCPM	1.7E+05	0	32	736	1.2
3/21/00	1315	8.0	2.1	289	F	5.0E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	2.5E+04 L-NCPM	1.7E+05	0	32	736	1.2
3/21/00	1330	9.0	2.0	292	F	5.0E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	2.5E+04 L-NCPM	1.7E+05	2	43	791	1.2
3/21/00	1345	9.0	2.1	288	F	2.5E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	0	21	208	1.4
3/21/00	1400	8.0	2.0	290	F	1.0E+03 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	0	25	170	1.4
3/21/00	1415	9.0	2.1	291	F	6.8E+02 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	5.0E+03 L-NCPM	1.7E+05	0	25	170	1.4
3/21/00	1430	11.0	2.0	291	F	1.0E+02 L-NCPM	9.0E+04	6.0E+01 L-NCPM	6.0E+04	6.2E+01 L-NCPM	1.5E+04	2.0E+02 L-NCPM	1.7E+05	0	25	170	1.4

**SECTION 8.0**

**RADIOLOGICAL DATA**

## 8.0 RADIOLOGICAL DATA

This section provides all relevant on-site radiological and radiochemistry data necessary for exercise participants.

Section 8.1 details in-plant radiation data. Tables 8.1.1 through 8.1.4 list the process radiation monitor trend data. The monitors are grouped by ICS screen number 158.

ICS Screen No. 158 "Radiation Data Summary Trends" is also provided as a function of time in the Message/Plant Data forms, Section 7.2.

Tables 8.1.5 to 8.1.21 detail in tabular and graphical form, area radiation readings including ambient, contamination and airborne levels.

Section 8.2 denotes Plant Chemistry and Effluent sample data. Pre-accident and post-accident data are provided for the reactor coolant system (Tables 8.2.1 & 2), suppression pool (Tables 8.2.3 & 4), drywell atmosphere (Table 8.2.5 and 6) and containment atmosphere (Table 8.2.7 and 8). Also listed, as Tables 8.2.9 and 8.2.10 are the grab sample results for the release point. Table 8.2.11 gives information to calculate iodine activity on the D-17 cartridges on the Turbine Building vent.

Meteorological data is outlined in Section 8.3. Table 8.3.1 lists meteorological tower data as a function of time. The day's forecast is found in Table 8.3.2.

On-site out of plant dose rate readings are included as Tables 8.4.1 (Whole Body), 8.4.2 (Thyroid), and 8.4.3 (Air Sample Results).

Dose projection input data, i.e., gaseous effluent radiation and flow monitor data is presented in Section 8.5. Table 8.5.1 lists this information. Dose projection results are provided in Tables 8.5.2, 8.5.3. Noble gas and iodine release rates, as well as release pathways out of the plant are graphically depicted in Figures 8.5.1 and 8.5.2 respectively.

Section 8.6 provides the necessary tables to support offsite radiation field monitoring team activities.

Section 8.7 provides the necessary figures and tables to drive Ingestion Pathway exercise activities.

**SECTION 8.1**  
**IN PLANT RADIATION DATA**



**TABLES 8.1.1 TO 8.1.4**

**PROCESS RADIATION MONITOR TREND DATA**

**(See Table 8.5.1 for Process Radiation Monitor Trends)**

TABLES 8.1.5 TO 8.1.21

IN-PLANT AREA RADIATION LEVELS

<u>LOCATION</u>	<u>TABLE</u>
STM TNL 615	8.1.5
STM TNL 630	8.1.6
TB577	8.1.7
TB605	8.1.8
TB620	8.1.9
TB647	8.1.10
IB574 East	8.1.11
IB574 West	8.1.12
IB599 East	8.1.13
IB599 West	8.1.14
IB620	8.1.15
IB654	8.1.16
IB682	8.1.17
AB599	8.1.18
AB574	8.1.19
AB620	8.1.20
C 599	8.1.21

TABLE 8.1.5

STEAM TUNNEL ELEV. 615'

TIME:	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Area AS FOUND -----> 840 840 840 2400 2.2E4 2.2E4 2200

Contamination Level dpm/100cm<sup>2</sup>

General Areas AS FOUND -----> 25K 25K 25K 250K 250K 250K 250K

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas AS FOUND -----> REFER TO TABLE 8.2.5

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.6

STEAM TUNNEL ELEV. 630'

TIME:	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

Ambient Radiation Level  
(mr/hr)

General Area AS FOUND -----> 820 820 820 2200 2.2E4 2.2E4 2200

Contamination Level <sup>2</sup>dpm/100cm

General Areas AS FOUND -----> 20K 20K 20K 200K 200K 200K 200K

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas AS FOUND -----> REFER TO TABLE 8.2.5

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.7

TURBINE BUILDING 577'

	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
TIME:	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

Ambient Radiation Level  
(mr/hr)

General Area AS FOUND -----> 1000 1000 1000 1000 1.0E4 1.0E4 1000

Contamination Level dpm/100cm<sup>2</sup>

General Areas AS FOUND -----> 10000 10000 10000 100K 100K 100K 100K

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas AS FOUND -----> 3.1E6 3.1E6 3.1E6 3.1E7 1.1E8 1.1E8 3.1E7  
6.0E-6 6.0E-6 6.0E-6 6.0E-5 1.9E-4 1.9E-4 6.0E-5

Notes: If net counts per minute exceeds 500,000, frisker is off-scale high  
Assumes total air sample = 35 ft<sup>3</sup> (1E6cc)

TABLE 8.1.8

TURBINE BUILDING ELEV. 605'

	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
TIME:	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

Ambient Radiation Level  
(mr/hr)

General Area                   ----- AS FOUND ----->   800   800   800   1000   1.0E4   1.0E4   1000

Contamination Level dpm/100cm<sup>2</sup>

General Areas                   ----- AS FOUND -----> 10000 10000 10000 100K 100K 100K 100K

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas                   ----- AS FOUND -----> 3.2E6   3.2E6 3.1E6 3.1E7 1.1E8 1.1E8 3.1E-7  
6.0E-6   6.0E-6 6.0E-6 6.0E-5 1.9E-4 1.9E-4 6.0E-5

Notes: If net counts per minute exceeds 500,000, frisker is off-scale high  
Assumes total air sample = 35 ft<sup>3</sup> (1E6cc)

TABLE 8.1.9

TURBINE BUILDING ELEV. 620'

TIME:	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

Ambient Radiation Level  
(mr/hr)

General Area           ----- AS FOUND ----->   800   800   800   1000   1.0E4   1.0E4   1000

Contamination Level <sup>2</sup> dpm/100cm

General Areas           ----- AS FOUND ----->   10000   10000   10000   10000   100K   100K   100K

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas           ----- AS FOUND ----->   3.2E6   3.2E6   3.1E6   3.1E7   2.1E8   2.1E8   2.1E7  
6.0E-6   6.0E-6   6.0E-6   6.0E-5   4.0E-4   4.0E-4   4.0E-5

Notes:   If net counts per minute exceeds 500,000, frisker is off-scale high  
Assumes total air sample = 35 ft<sup>3</sup> (1E6cc)

TABLE 8.1.10

TURBINE BUILDING ELEV. 647'

TIME:	0700	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400
	0800	0900	0930	1000	1030	1115	1130	1200	1230	1300	1330	1400	END

Ambient Radiation Level  
(mr/hr)

General Area	----- AS FOUND ----->						800	800	800	1000	1.0E4	1.0E4	1000
--------------	-----------------------	--	--	--	--	--	-----	-----	-----	------	-------	-------	------

Contamination Level dpm/100cm<sup>2</sup>

General Areas	----- AS FOUND ----->						10000	10000	10000	10000	100K	100K	100K
---------------	-----------------------	--	--	--	--	--	-------	-------	-------	-------	------	------	------

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas	----- AS FOUND ----->						3.9E6	3.9E6	3.3E6	3.3E7	2.1E8	2.1E8	2.1E7
2.3E-5							1.3E-5	1.3E-5	1.0E-5	1.0E-5	4.0E-4	4.0E-4	4.0E-5

Notes: If net counts per minute exceeds 500,000, frisker is off-scale high  
Assumes total air sample = 35 ft<sup>3</sup> (1E6cc)



TABLE 8.1.11

Intermediate Building Elevation 574' East

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Area                      ----- AS FOUND -----> See Figure 8.1.11

Contamination Level <sup>2</sup> dpm/100cm

General Areas                      ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas                      ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.12

Intermediate Building Elevation 574' West

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Area

----- AS FOUND ----->

See Figure 8.1.12

Contamination Level <sup>2</sup> dpm/100cm

General Areas

----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas

----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.13

Intermediate Building Elevation 599' East

	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
TIME:	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Area ----- AS FOUND -----> See Figure 8.1.13

Contamination Level <sup>2</sup> dpm/100cm

General Areas ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.14

Intermediate Building Elevation 599' West

	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
TIME:	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Areas

----- AS FOUND -----> See Figure 8.1.14

Contamination Level <sup>2</sup>  
dpm/100cm

General Areas

----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas

----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.15

Intermediate Building Elevation 620'

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

See Figure 8.1.15

----- AS FOUND ----->

Contamination Level <sup>2</sup> dpm/100cm

----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.16

Intermediate Building Elevation 654'

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

----- AS FOUND -----> See Figure 8.1.16 ----->

Contamination Level <sup>2</sup> dpm/100cm

----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.17

Intermediate Building Elevation 682'

	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
TIME:	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Areas ----- AS FOUND -----> See Figure 8.1.17

Contamination Level <sup>2</sup> dpm/100cm

General Areas ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.18

Auxiliary Building Elevation 599'

	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
TIME:	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

Ambient Radiation Level  
(mr/hr)

General Areas ----- AS FOUND -----> See Figure 8.1.18

Contamination Level <sup>2</sup> dpm/100cm

General Areas ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>



TABLE 8.1.19

Auxiliary Building Elevation 574'

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Areas

----- AS FOUND ----->

See Figure 8.1.19

Contamination Level <sup>2</sup> dpm/100cm

General Areas

----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas

----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.20

Auxiliary Building Elevation 620'

TIME:	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

See Figure 8.1.20

General Areas ----- AS FOUND ----->

Contamination Level <sup>2</sup> dpm/100cm

General Areas ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

TABLE 8.1.21

Control Complex Elevation 599'

	0700	0800	0900	1000	1100	1200	1230	1300	1330	1400
TIME:	0800	0900	1000	1100	1200	1230	1300	1330	1400	END

---

---

Ambient Radiation Level  
(mr/hr)

General Areas ----- AS FOUND -----> See Figure 8.1.21

Contamination Level <sup>2</sup> dpm/100cm

General Areas ----- AS FOUND ----->

Airborne Levels cpm  
( $\mu$ Ci/cc)

General Areas ----- AS FOUND ----->

Air Sample Volume = 35ft<sup>3</sup>

**SECTION 8.2**

**CHEMISTRY/EFFLUENT SAMPLE DATA**

## 2000 PERRY EVALUATED EXERCISE

### CHEMISTRY/EFFLUENT SAMPLE DATA

<u>LOCATION</u>	<u>TABLE</u>
Reactor Coolant	8.2.1 & 2
Suppression Pool	8.2.3 & 4
Drywell Atmosphere	8.2.5 & 6
Containment Atmosphere	8.2.7 & 8
Steam Tunnel Atmosphere	8.2.9
Turbine Building/Heater Bay Vent	8.2.10
D-17 Cartridge	8.2.11

**2000 PERRY EVALUATED EXERCISE**

**TABLE 8.2.1**  
**STANDARD REACTOR COOLANT ISOTOPIC ANALYSIS**  
**0700 - 1235**

<u>IODINES</u>	<u>μCi/cc</u>	<u>DEI</u>	<u>Noble Gases</u>	<u>μCi/ml</u>
I-131	2.00E-4	2.00E-4	XE-133	2.62E-4
I-132	5.65E-3	2.04E-4		
I-133	3.35E-3	9.05E-4		
I-134	1.95E-2	3.30E-4		
I-135	7.25E-3	<u>6.08E-4</u>		
		2.28E-3		

<u>PARTICULATES</u>	<u>μCi/ml</u>	<u>PARTICULATES</u>	<u>μCi/ml</u>
Na-24	7.79E-4	La-142	2.5E-3
Cr-51	1.74E-3	Ba-139	2.05E-2
Mn-54	1.11E-5	Ru-105	1.50E-3
Fe-59	5.2E-4	2n 69m	2.66E-4
Cs-137	<2.9E-4	SR 93	2.00E-2
Nb-95	8.5E-4	Y92	2.19E-2
Cs-138	5.89E-3	Y93	4.79E-4
Np-239	6.43E-4	Ag110m	8.37E-6
Tc-101	6.55E-2		
Sr-92	1.54E-2		
Sr-91	5.13E-3		
Tc-104	5.05E-2		
Te-132	1.1E-4		
Mn-56	3.54E-4		
Co-58	8.94E-5		
Co-60	1.33E-4		
Zn-65	9.15E-4		
Ni-65	1.4E-3		
As-76	7.78E-5		
Mo-99	1.49E-3		
Tc-99m	8.32E-3		
Cs-134	2.7E-4		
Y-91m	1.8E-3		
Nb-95m	1.7E-3		

NON-RADIOCHEMICAL

Cl <sup>-</sup> (ppm)	0.008
Conductivity (μmho/cm)	0.10
pH	6.5
Dissolved O <sub>2</sub> (ppm)	0.2



2000 PERRY EVALUATED EXERCISE

TABLE 8.2.3

STANDARD SUPPRESSION POOL ISOTOPIC ANALYSIS  
0700 - 1235

<u>ISOTOPE</u>	<u>μCi/ml</u>
Co-60	5.55E-7
Zn-65	3.26E-7
I-133	1.57E-7
Xe-133	4.00E-7
Xe-135	3.00E-7

TABLE 8.2.4

POST-ACCIDENT SUPPRESSION POOL ISOTOPIC ANALYSIS  
1235 - END

<u>IODINES</u>	<u>μCi/ml</u>	<u>DEI</u>	<u>Noble Gases</u>	<u>μCi/ml</u>
I-131	40	40	Xe-131m	4.3E-5
I-132	3.93	1.4E-1	Xe-133	1.3E-2
I-133	21.2	5.72	Xe-135	1.2E-2
I-134	4.7	8.0E-2	Xe-135m	5.5E-4
I-135	11.4	<u>9.6E-1</u>	Xe-137	1.1E-2
		46.9	Xe-138	1.3E-2
			Kr-83m	2.0E-4
			Kr-85m	3.2E-4
			Kr-85	6.6E-5
			Kr-87	4.1E-4
			Kr-88	6.0E-4
			Kr-89	9.9E-3

	<u>PARTICULATES</u>		<u>μCi/ml</u>
Cs-134	2.0E-1	Sr-92	5.5
Cs-137	5.3	Ba-140	4.8
Cs-138	4.97	Y-92	4.8
Te-132	8.0	La-140	4.63
Mo-99	8.7	Ce-144	4.8
Ru-105	6.4	Zr-95	6.1
Sr-91	5.2	Zr-97	2.0



2000 PERRY EVALUATED EXERCISE

TABLE 8.2.5

STANDARD DRYWELL ATMOSPHERE ISOTOPIC ANALYSIS  
0700 - 1235

Gross Activity	<2.0E-9 μCi/cc
Particulate Activity	8.4E-11 μCi/cc

TABLE 8.2.6

POST-ACCIDENT DRYWELL ATMOSPHERE  
1251 - END

<u>IODINES</u>	<u>μCi/ml</u>	<u>DEI</u>	<u>Noble Gases</u>	<u>μCi/ml</u>
I-131	2.56	2.56	Xe-131m	6.3E-5
I-132	3.2E-1	1.2E-2	Xe-133	1.9E-2
I-133	1.75	4.7E-1	Xe-135	1.7E-2
I-134	3.9E-1	6.6E-3	Xe-135m	7.6E-4
I-135	9.4E-1	<u>7.9E-2</u>	Xe-137	1.5E-2
		3.13	Xe-138	1.8E-2
			Kr-83m	2.9E-4
			Kr-85m	4.8E-4
			Kr-85	9.6E-5
			Kr-87	5.9E-4
			Kr-88	8.7E-4
			Kr-89	1.4E-2

PARTICULATES

None



**2000 PERRY EVALUATED EXERCISE**

**TABLE 8.2.9**

**STEAM TUNNEL ISOTOPIC ANALYSIS**

ISOTOPE ( $\mu\text{Ci/cc}$ )	1115	1245	1300	1315	1330	1345	1400 - END
Kr-85	0.0E+0	8.62E-1	2.11E+0	2.11E+0	8.62E-1	1.84E-5	0.0E+0
Kr-85	0.0E+0	2.0E-1	4.88E-1	4.88E-1	2.0E-1	4.26E-6	0.0E+0
Kr-87	0.0E+0	8.77E-1	2.14E+0	2.14E+0	8.77E-1	1.87E-5	0.0E+0
Kr-88	0.0E+0	1.85E+0	4.52E+0	4.52E+0	1.85E+0	3.95E-5	0.0E+0
Xe-133	0.0E+0	3.75E+1	9.15E+1	9.15E+1	3.75E+1	8.00E-4	0.0E+0
Xe-135	1.50E-8	7.74E+0	1.89E+1	1.89E+1	7.74E+0	1.65E-4	1.50E-8
<b>Total N.G</b>	<b>1.50E-8</b>	<b>4.87E+1</b>	<b>1.19E+2</b>	<b>1.19E+2</b>	<b>4.87E+1</b>	<b>1.04E-3</b>	<b>1.50E-8</b>
I-131	1.67E-9	3.99E-2	1.0E-1	1.0E-1	3.99E-2	8.45E-7	1.67E-9
I-132	0.0E+0	5.07E-3	1.27E-2	1.27E-2	5.07E-3	1.07E-7	0.0E+0
I-133	7.26E-9	2.73E-2	6.85E-2	6.85E-2	2.73E-2	5.79E-7	7.26E-9
I-134	0.0E+0	6.18E-3	1.55E-2	1.55E-2	6.18E-3	1.31E-7	0.0E+0
I-135	0.0E+0	1.45E-2	3.63E-2	3.63E-2	1.45E-2	3.07E-7	0.0E+0
<b>Total Iodine</b>	<b>8.93E-9</b>	<b>9.30E-2</b>	<b>2.33E-1</b>	<b>2.33E-1</b>	<b>9.30E-2</b>	<b>1.97E-6</b>	<b>8.93E-9</b>

For TB/HB Isotopic Analysis, divide activities by 10.

2000 PERRY EVALUATED EXERCISE

TABLE 8.2.10

TURBINE BUILDING VENT ISOTOPIC ANALYSIS

ISOTOPE ( $\mu\text{Ci/cc}$ )	1115	1245	1300	1315	1330	1345	1400 - END
Kr85M	1.81E-8	1.56E-2	1.63E-2	1.63E-2	1.86E-2	3.46E-7	1.81E-8
Kr85	0.0E+0	3.60E-3	3.76E-3	3.76E-3	3.60E-3	8.01E-8	0.0E+0
Kr87	2.82E-8	1.58E-2	1.65E-2	1.65E-2	1.58E-2	3.51E-7	2.82E-8
Kr88	3.94E-9	3.38E-2	3.49E-2	3.49E-2	3.38E-2	7.42E-7	3.94E-9
Xe-133	1.12E-9	6.75E-1	7.06E-1	7.06E-1	6.75E-1	1.50E-5	1.12E-9
Xe-135	1.67E-8	1.39E-1	1.46E-1	1.46E-1	1.39E-1	3.11E-6	1.67E-8
Total N.G	6.81E-8	8.78E-1	9.19E-1	9.19E-1	8.78E-1	1.96E-5	6.81E-8
I-131	1.67E-9	1.26E-3	1.43E-3	1.43E-3	1.26E-3	3.09E-8	1.67E-9
I-132	0.0E+0	1.60E-4	1.82E-4	1.82E-4	1.60E-4	3.92E-9	0.0E+0
I-133	7.26E-9	8.64E-4	9.82E-4	9.82E-4	8.64E-4	2.11E-8	7.26E-9
I-134	0.0E+0	1.95E-4	2.21E-4	2.21E-4	1.95E-4	4.77E-9	0.0E+0
I-135	0.0E+0	4.57E-4	5.20E-4	5.20E-4	4.57E-4	5.12E-9	0.0E+0
Total Iodine	8.93E-9	2.93E-3	3.43E-3	3.43E-3	2.93E-3	7.73E-8	8.93E-9
VENT FLOW (CFM)	1.70E+5	1.70E+5	1.70E+5	1.70E+5	1.70E+5	1.70E+5	1.70E+5
RELEASE RATES ( $\mu\text{Ci/sec}$ )							
NOBLE GAS	5.54	7.14E+7	7.48E+7	7.48E+7	7.14E+7	1.6E+3	5.54
IODINE	7.3E-1	2.38E+5	2.79E+5	2.79E+5	2.38E+5	6.29E+0	7.3E-1

For Unit 1 Vent Isotopic Analysis, divide noble gas by 10 and iodine by  $10^4$ .

**2000 PERRY EVALUATED EXERCISE**

**TABLE 8.2.11**

**IODINE ACTIVITY ON D-17 CARTRIDGES**

The following information will be used to calculate iodine activity on the cartridges, if samples are pulled from the Turbine Building Vent.

<u>Scenario Time</u>	<u>Rate(Ci/sec)</u>	<u>Flow (cfm)</u>
1215-1230	Negligible	1.7E+5
1230-1245	Negligible	1.7E+5
1245-1300	.238	1.7E+5
1300-1315	.279	1.7E+5
1315-1330	.279	1.7E+5
1330-1345	.238	1.7E+5
1345-1400	Negligible	1.7E+5
1400-1415	Negligible	1.7E+5
1415-1430	Negligible	1.7E+5

Total curies on cartridge equals the sum of:

Time elapsed x release rate x cartridge flow ÷ vent flow for each interval.  
 (seconds)      (ci/sec)      (cfm)      (cfm)

(Cartridge flow = 1 cfm for the low-range monitor, 1D17K856)

For example, say the 1D17K856 iodine cartridge is pulled at 1335. Determine the number of curies of iodine absorbed on the cartridge.

$$1245-1300 \quad (900 \text{ sec})(.238 \text{ Ci/sec})(1.0 \text{ cfm})/(1.7E5 \text{ cfm}) = 1.36E-3$$

$$1300-1315 \quad (900 \text{ sec})(.279 \text{ Ci/sec})(1.0 \text{ cfm})/(1.7E5 \text{ cfm}) = 1.48E-3$$

$$1315-1330 \quad (900 \text{ sec})(.279 \text{ Ci/sec})(1.0 \text{ cfm})/(1.7E5 \text{ cfm}) = 1.48E-3$$

$$\text{Total activity} = (1.26E-3) + (1.48E-3) + (1.48E-3) = 4.22E-3 \text{ Ci} \\ = 4.22 \text{ millicuries}$$

Contact doses from these cartridges can be determined using this formula:

$$1 \text{ millicurie} = 40 \text{ mR/hr}$$

For the example above, the contact dose rate on the cartridge would be 168.8 mR/hr

**SECTION 8.3**  
**METEOROLOGICAL DATA**

**2000 PERRY EVALUATED EXERCISE  
8.3.1 METEOROLOGICAL DATA**

**(PRIMARY SENSORS, 10 METER SENSORS)**

TIME	SPEED (MPH)	DIRECTION (DEGREES FROM)	DELTA-T (DEGREES F)
0730	3.0	295	2.0
0745	4.0	294	2.1
0800	4.5	292	2.1
0815	7.0	291	2.1
0830	6.0	294	1.9
0845	7.5	291	2.1
0900	5.0	293	2.1
0915	5.5	294	2.0
0930	5.0	293	2.2
0945	6.0	294	2.0
1000	6.5	292	2.0
1015	5.5	295	1.8
1030	3.0	296	1.9
1045	4.0	295	2.0
1100	3.5	294	1.9
1115	4.0	292	1.8
1130	4.0	295	1.9
1145	5.5	294	1.8
1200	5.5	295	2.2
1215	5.0	293	2.2
1230	4.5	294	2.1
1245	5.0	291	2.0
1300	5.5	291	2.0
1315	8.0	289	2.1
1330	9.0	292	2.0
1345	9.0	288	2.1
1400	8.0	290	2.0
1415	9.0	291	2.1
1430	11.0	291	2.0
1445	12.0	290	2.0
1500	11.0	290	2.1
1515	14.0	286	2.1
1530	13.5	295	2.1
1545	16.0	292	2.0
1600	15.5	284	2.0

**2000 PERRY EVALUATED EXERCISE**  
**8.3.2 METEOROLOGICAL FORECAST**

- Morning: Expect partly cloudy skies this morning with light winds out of the northeast. Temperatures are expected to be in the middle to upper 40's.
- Afternoon: Clear and seasonably cool with temperatures in the mid 60's. Clouds developing later with winds increasing to 5-15 mph from the northwest. An increased chance of precipitation of 50% towards evening.
- Evening: Becoming cloudy this evening, with winds increasing as a storm front enters the area from the north. Winds of 10 to 20 mph are expected with gusts up to 35 mph. Warm temperatures will persist with a 75% chance of rain as the storm front passes through the area.



## **SECTION 8.4**

### **ON SITE RADIOLOGICAL DATA**

**This section contains:**

**Figure 8.4 - Onsite Plume Location**

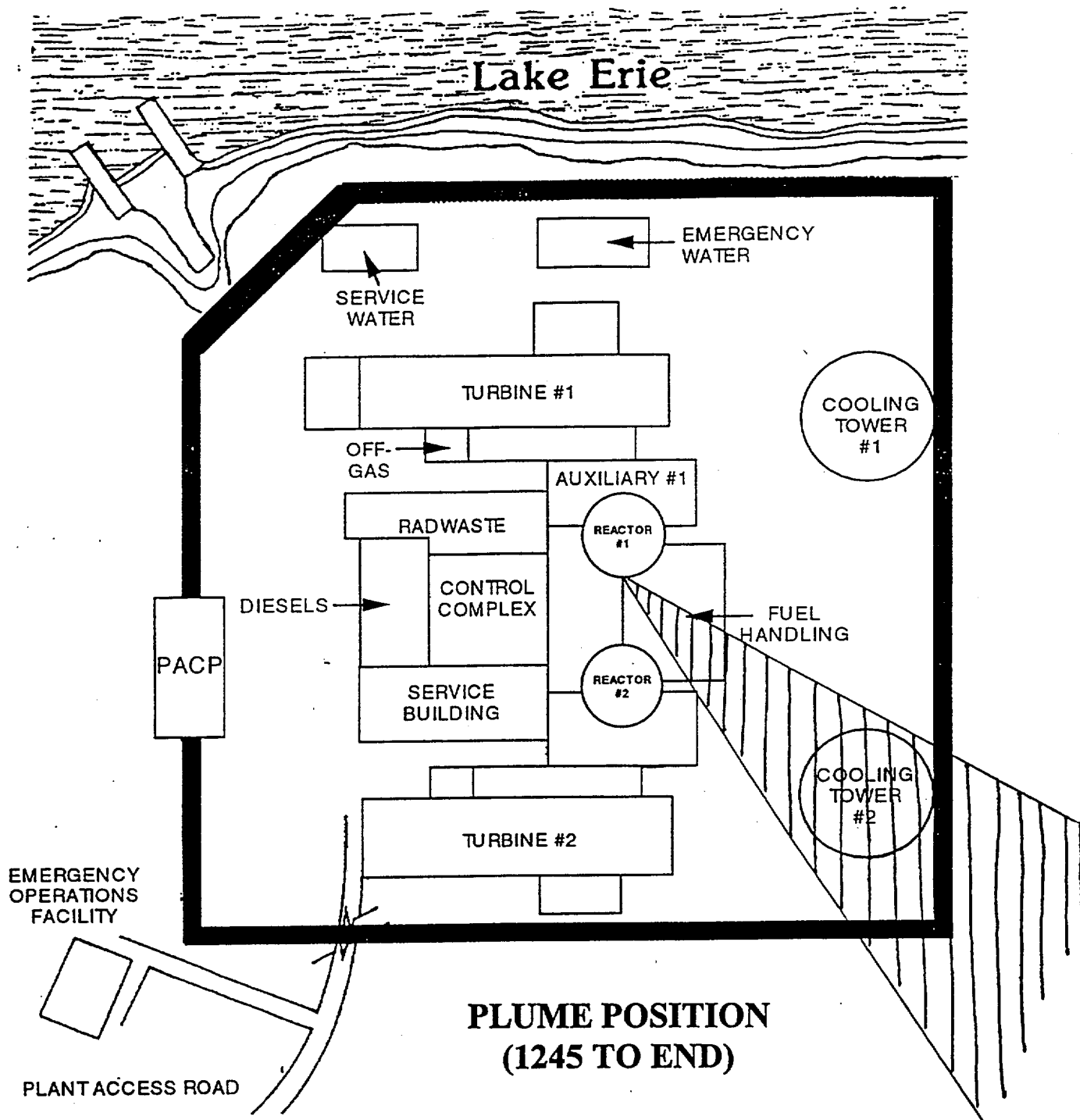
**Figure 8.4.1 - Onsite Whole Body Dose Rates**

**Figure 8.4.2 - Child Thyroid Dose Rates**

**Figure 8.4.3 - Onsite Plume Air Sample Results**

Figure 8.4

ONSITE PLUME LOCATION



**2000 PERRY EVALUATED EXERCISE  
FIGURE 8.4.1  
ONSITE PLUME LOCATION**

TABLE 8.4.1

ON-SITE WHOLE BODY DOSE RATES (mRem/hr)

TIME	DOWNWIND DISTANCE (meters)						
	100	200	400	600	800	1000	1200
1235	*	*	*	*	*	*	*
1245	19 (48)	19 (48)	*	*	*	*	*
1300	24 (61)	24 (61)	17 (43)	1.5 (3.8)	1.5 (3.8)	13 (3.3)	11 (2.8)
1315	19 (48)	19 (48)	200 (52)	17 (43)	17 (43)	13 (33)	11 (24)
1330	19 (48)	19 (48)	17 (43)	15 (38)	15 (38)	13 (33)	11 (2.8)
1345	*	*	*	*	*	*	*

NOTES: All values are calculated at plume centerline.

For measurements taken off-centerline, interpolate between the centerline and the edge of the plume. Assume value at plume edge equals 10% of centerline.

Closed window readings. Numbers in parenthesis indicate open window reading.

Background levels (less than .02 mR/hr) are indicated by \*.

**2000 PERRY EVALUATED EXERCISE  
FIGURE 8.4.1  
ONSITE PLUME LOCATION**

TABLE 8.4.2

CHILD THYROID DOSE RATES (mRem/hr)

TIME	DOWNWIND DISTANCE (meters)						
	100	200	400	600	800	1000	1200
1235	360	360	*	*	*	*	*
1245	3600	3600	340	320	300	280	260
1300	3600	3600	3400	3200	3000	2800	2600
1315	3600	3600	3400	3200	3000	2800	2600
1330	360	360	3400	3200	3000	2800	2600
1345	*	*	340	320	300	280	260

NOTES: All values are calculated at plume centerline.

For measurements taken off-centerline, interpolate between the centerline and the edge of the plume. Assume value at plume edge equals 10% of centerline.

Concentrations that are less than detectable are represented by \*.

**2000 PERRY EVALUATED EXERCISE  
FIGURE 8.4.1  
ONSITE PLUME LOCATION**

TABLE 8.4.3

ON-SITE PLUME AIR SAMPLE RESULTS (uCi/cc)  
(For time period 1245-1315 hours)\*

Isotope	Concentration	MPC	%MPC
KR 85m	6.68E-6	6E-6	1.11E+2
KR 85	1.33E-7	1E-5	1.33E+0
KR 87	6.01E-6	1E-6	6.01E+2
KR 88	1.27E-5	1E-6	1.27E+3
XE 133	2.57E-4	1E-5	2.57E+3
XE 135	5.30E-5	4E-6	1.33E+3
I 131	2.80E-7	9E-9	3.11E+3
I 132	3.34E-8	2E-7	1.67E+1
I 133	1.67E-7	3E-8	5.57E+2
I 134	4.34E-8	5E-7	8.68E+0
I 135	1.00E-7	1E-7	1.00E+2
Total	3.34E-4	----	9.68E+3

Contact Dose Rates on filter media (assuming a 40 cubic feet sample):

Particulate Filter = 2 mr/hr  
Charcoal Cartridge = 30 mr/hr  
Marinelli Beaker = 5 mr/hr

\*All other time periods Air Samples will be as read.

## **SECTION 8.5**

### **DOSE PROJECTION DATA**

**This section contains:**

**Figure 8.5.1 - Plant Release Pathways**

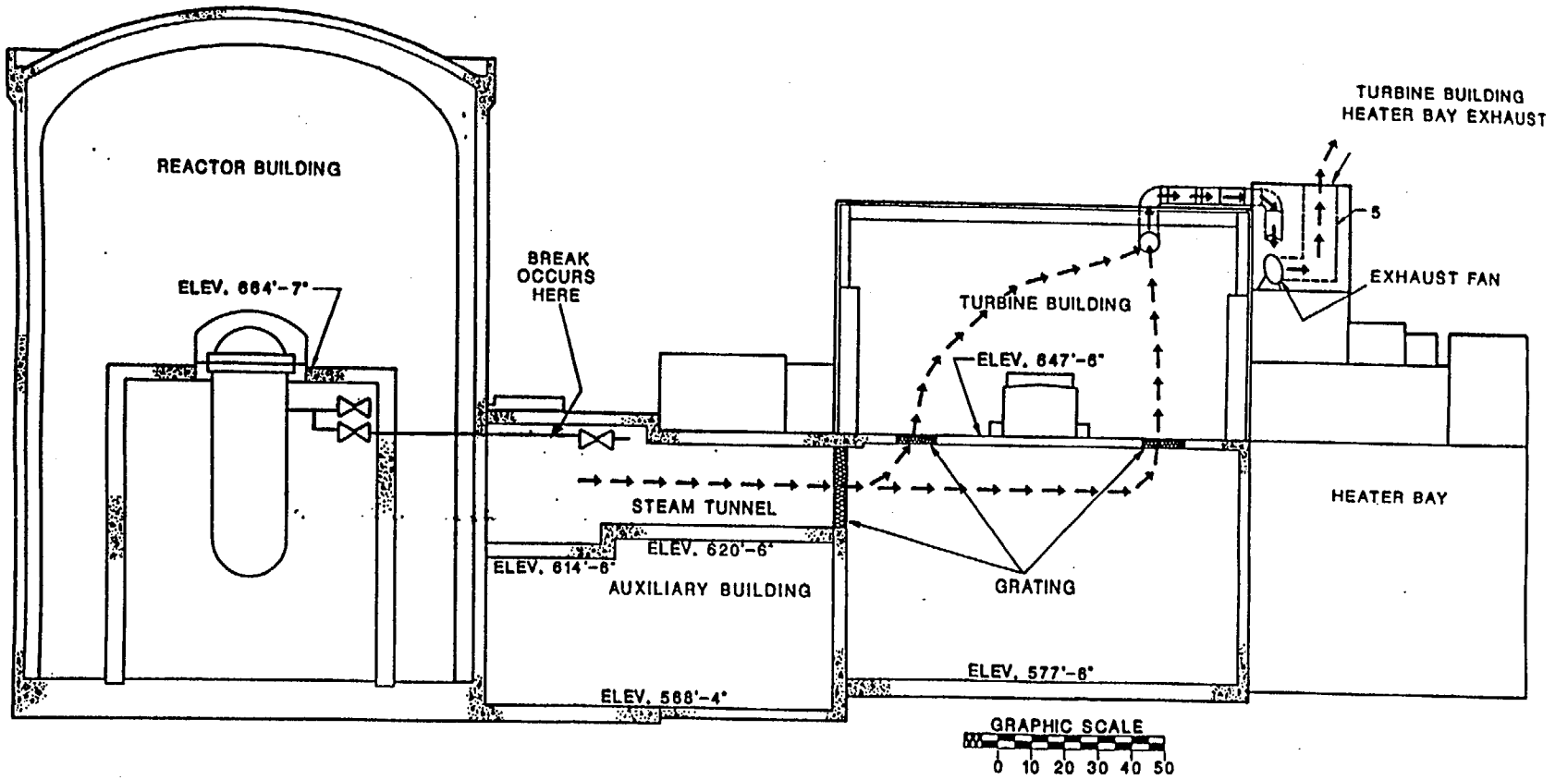
**Figure 8.5.2 - Noble Gas and Iodine Release Rates**

**Table 8.5.1 - Gaseous Effluent Radiation Monitor And Flow Monitor Data**

**Table 8.5.2 - Computer-Aided Dose Assessment Program  
(CADAP) Offsite Dose Results for RCIC Steam Leak**

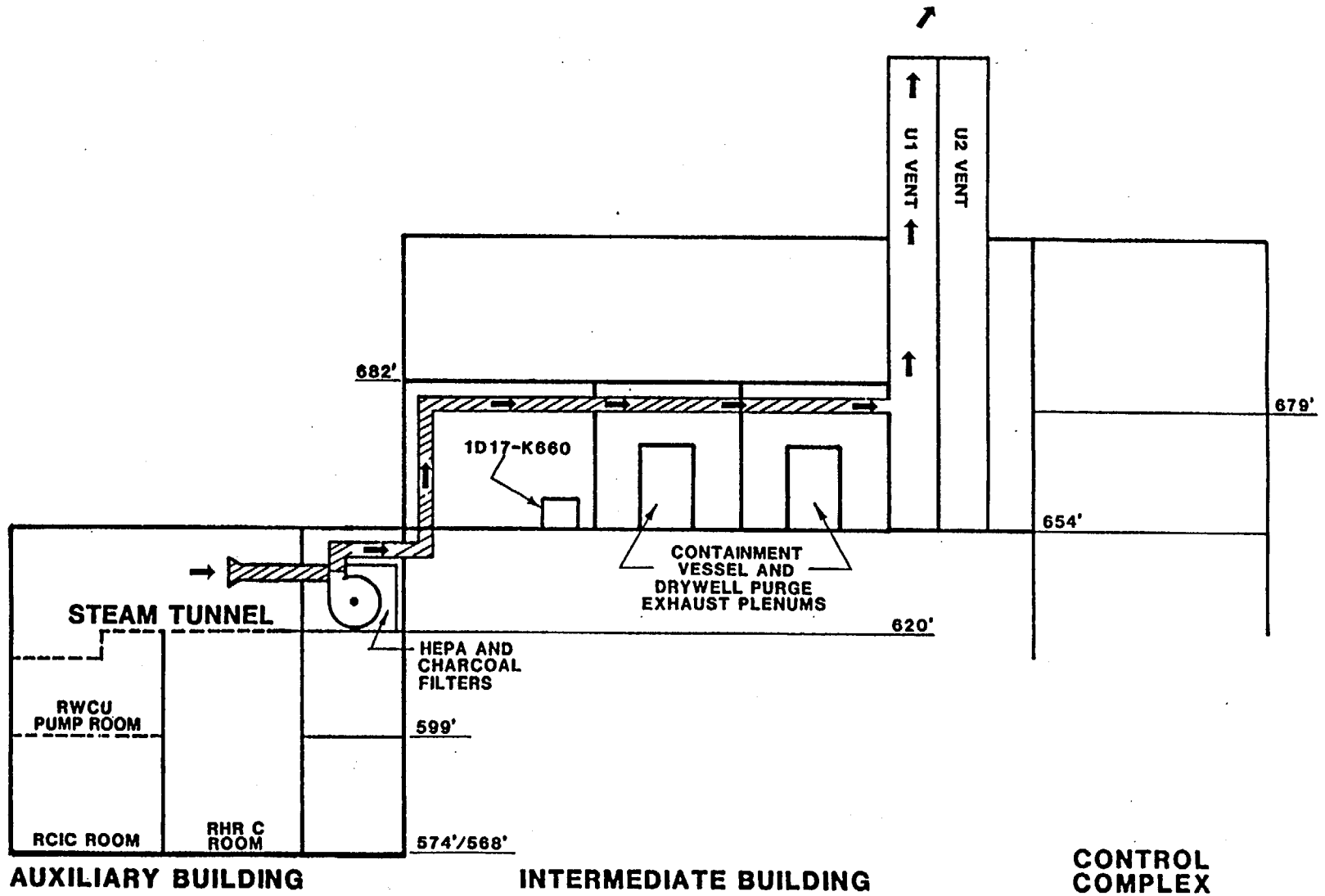
**Table 8.5.3 - Computer-Aided Dose Assessment Program  
(CADAP) Offsite Dose Results for Fuel Failure**

Figure 8.5.1



**PLANT RELEASE PATHWAYS**  
**(Primary via "Unfiltered" Turbine Building/Heater Bay Vent)**

Figure 8.5.1 (Cont.)



PLANT RELEASE PATHWAYS  
(Secondary via "Filtered" Unit 1 Vent)



***2000 PNPP EVALUATED EXERCISE  
NOBLE GAS RELEASE RATE ( $\mu\text{Ci}/\text{sec}$ )***

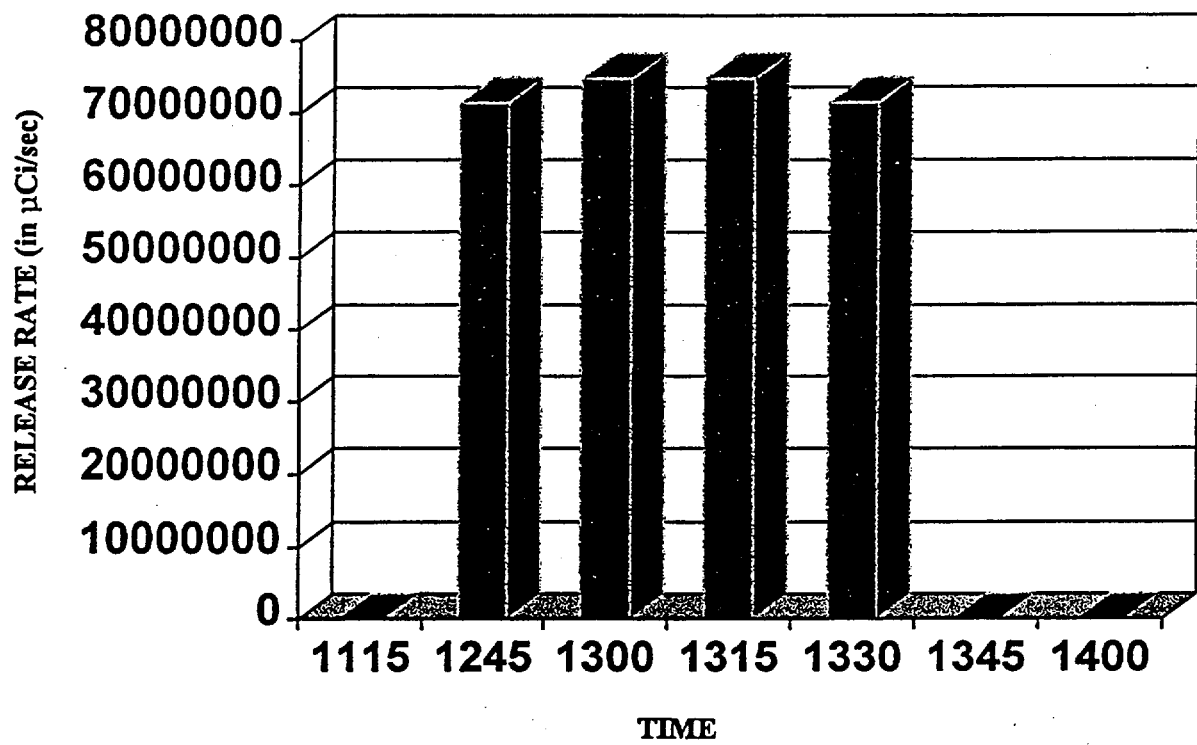


Figure 8.5.2

***2000 PNPP EVALUATED EXERCISE  
IODINE RELEASE RATE (uCi/sec)***

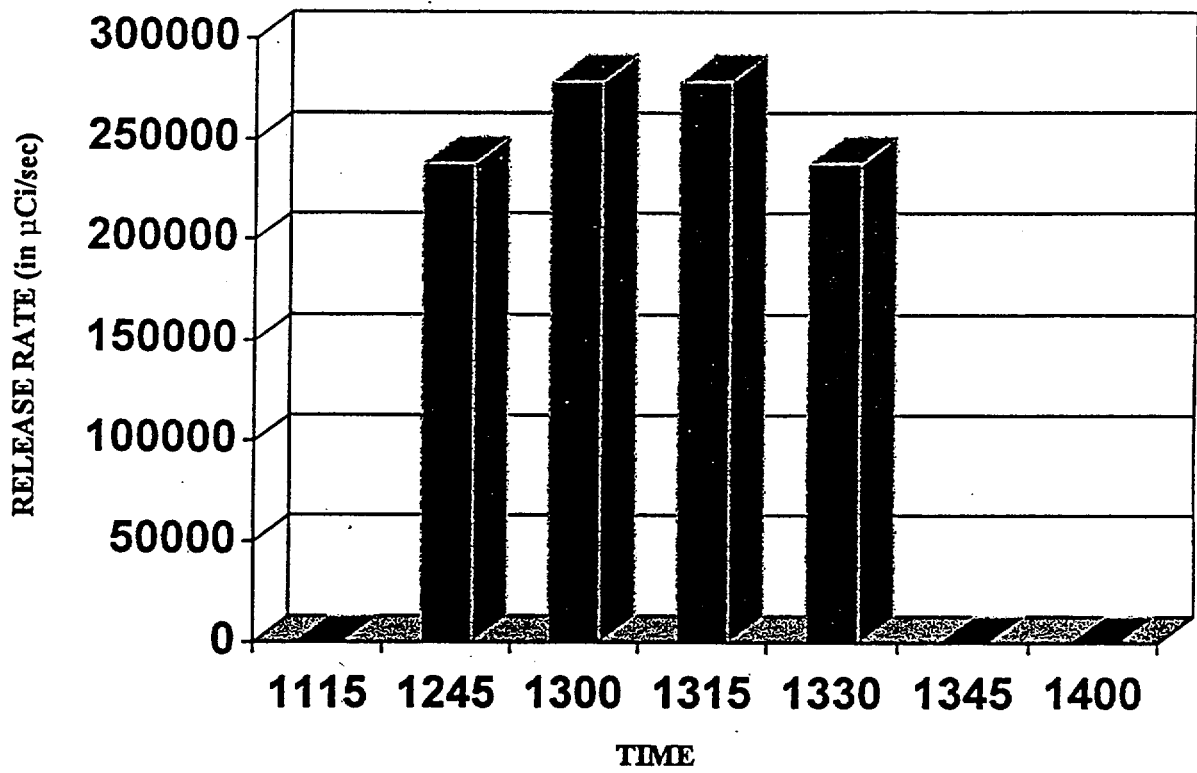


Figure 8.5.2 (Cont.)

## 2000 PERRY EVALUATED EXERCISE

TIME	Plant Vent 1 1D17- K786 CPM D17EA030	Plant Vent 11D19- N300 uCi/cc D19EA003	Plant Vent 1 1D19-340 uCi/cc D19EA004	Plant Vent 1 Flow 1M33-N125A KCFM M33EA001	Plant Vent 2 2D17- K786 CPM D17EA530	Plant Vent 2 2D19- N300 uCi/cc D19EA503	Plant Vent 2 2D19- N340 uCi/cc D19EA504	Plant Vent 2 Flow 1M33-N125B KCFM M33EA002
6:54:59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
6:59:59	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:04:59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
7:09:59	100	0.001	1.02	88.496	88	0.001	1.02	54.545
7:14:59	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:19:59	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:24:58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
7:29:58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
7:34:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:39:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:44:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:49:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:54:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
7:59:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:04:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:09:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:14:58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8:19:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:24:58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8:29:58	100	0.001	1.02	88.496	88	0.001	1.02	54.545
8:34:58	100	0.001	1.02	88.496	88	0.001	1.02	54.543
8:39:58	100	0.001	1.02	88.496	88	0.001	1.02	54.545
8:44:58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
8:49:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:54:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
8:59:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:04:58	100	0.001	1.02	88.496	88	0.001	1.02	54.546
9:09:58	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:14:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:19:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:24:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:29:57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
9:34:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:39:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:44:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:49:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:54:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
9:59:57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10:04:57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10:09:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10:14:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10:19:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10:24:56	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10:29:57	100	0.001	1.02	88.496	88	0.001	1.02	54.544
10:34:57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10:39:57	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10:49:51	100	0.001	1.02	88.496	88	0.001	1.02	54.545
10:54:51	100	0.001	1.02	88.496	88	0.001	1.02	54.546
10:59:51	100	0.001	1.02	88.496	88	0.001	1.02	54.546
11:04:51	100	0.001	1.02	88.496	88	0.001	1.02	54.547
11:09:51	340.051	1.166	1.166	88.496	88	0.001	1.02	54.547

## 2000 PERRY EVALUATED EXERCISE

TIME	Plant Vent 1 1D17-	Plant Vent 11D19-	Plant Vent 1 1D19-340	Plant Vent 1 Flow 1M33-N125A	Plant Vent 2 2D17-	Plant Vent 2 2D19-	Plant Vent 2 2D19-	Plant Vent 2 2D19-	Plant Vent 2 Flow 1M33-N125B
	K786 CPM D17EA030	N300 uCi/cc D19EA003	uCi/cc D19EA004	KCFM M33EA001	K786 CPM D17EA530	N300 uCi/cc D19EA503	N340 uCi/cc D19EA504	KCFM M33EA002	
11:14:51	709.955	1.205	1.205	88.496	88	0.001	1.02	54.547	
11:19:51	1081.303	1.211	1.211	88.496	88	0.001	1.02	54.548	
11:24:51	1209.988	1.295	1.295	88.496	88	0.001	1.02	54.548	
11:29:51	1209.988	1.159	1.159	88.496	88	0.001	1.02	54.548	
11:34:51	1209.988	1.033	1.033	88.496	88	0.001	1.02	54.548	
11:39:50	1209.988	0.886	1.02	88.496	88	0.001	1.02	54.549	
11:44:51	1209.988	0.938	1.02	88.496	88	0.001	1.02	54.547	
11:49:50	1209.988	0.824	1.02	88.496	88	0.001	1.02	54.55	
11:54:50	1209.988	0.896	1.02	88.496	88	0.001	1.02	54.55	
11:59:50	1209.988	0.735	1.02	88.496	88	0.001	1.02	54.55	
12:04:50	1209.988	0.723	1.02	88.496	88	0.001	1.02	54.549	
12:09:50	1209.988	0.672	1.02	88.496	88	0.001	1.02	54.55	
12:14:50	1209.988	0.605	1.02	88.496	88	0.001	1.02	54.55	
12:19:50	1209.988	0.607	1.02	88.496	88	0.001	1.02	54.55	
12:24:50	1209.988	0.578	1.02	88.496	88	0.001	1.02	54.55	
12:29:50	1209.988	0.527	1.02	88.496	88	0.001	1.02	54.549	
12:34:50	2128.154	0.525	1.02	88.496	88	0.001	1.02	54.549	
12:39:50	5009.949	0.501	1.02	88.496	88	0.001	1.02	54.549	
12:44:50	5009.949	0.487	1.02	88.496	88	0.001	1.02	54.551	
12:49:50	5009.949	0.463	1.02	88.496	88	0.001	1.02	54.55	
12:54:50	5009.949	0.484	1.02	88.496	88	0.001	1.02	54.55	
12:59:50	5009.949	0.604	1.02	88.496	88	0.001	1.02	54.55	
13:04:50	5009.949	0.354	1.02	88.496	88	0.001	1.02	54.55	
13:09:50	5009.949	0.315	1.02	88.496	88	0.001	1.02	54.55	
13:14:50	5009.949	0.96	1.02	88.496	88	0.001	1.02	54.55	
13:19:50	5009.949	1.138	1.138	88.496	88	0.001	1.02	54.551	
13:24:50	5009.949	0.981	1.02	88.496	88	0.001	1.02	54.549	
13:29:49	5009.949	0.864	1.02	88.496	88	0.001	1.02	54.551	
13:34:50	5009.949	0.785	1.02	88.496	88	0.001	1.02	54.548	
13:39:49	5009.949	0.703	1.02	88.496	88	0.001	1.02	54.549	
13:44:49	4275.477	0.731	1.02	88.496	88	0.001	1.02	54.549	
13:49:49	2672.329	0.014	1.02	88.496	88	0.001	1.02	54.55	
13:54:49	1059.268	0.001	1.02	88.496	88	0.001	1.02	54.549	
13:59:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.549	
14:04:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55	
14:09:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55	
14:14:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55	
14:19:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551	
14:24:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.55	
14:29:49	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551	
14:31:29	209.998	0.001	1.02	88.496	88	0.001	1.02	54.551	

## 2000 PERRY EVALUATED EXERCISE

TIME	Offgas Vent D17-K836	Offgas Vent D19-N400	Offgas Vent D-N440	Offgas Vent Flow M36-N090	TB&HB Vent D17-K856	TB&HB Vent D19-	TB&HB Vent D19-	TB&HB Vent Flow	M41-N260
	CPM D17EA033	uCi/cc D19EA005	uCi/cc D19EA006	KCFM M36EA001	CPM D17EA036	N500 uCi/cc D19EA007	N540 uCi/cc D19EA008	KCFM M41EA001	
6:54:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
6:59:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:04:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:09:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:14:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:19:59	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:24:58	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:29:58	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:34:58	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:39:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
7:44:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
7:49:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
7:54:58	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
7:59:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:04:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:09:58	50	0.001	1.02	17.578	50	0.001	1.02	170.41	
8:14:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:19:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:24:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:29:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:34:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:39:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:44:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:49:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:54:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
8:59:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
9:04:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
9:09:58	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
9:14:57	50	0.001	1.02	17.579	50	0.001	1.02	170.41	
9:19:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:24:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:29:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:34:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:39:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:44:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:49:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:54:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
9:59:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:04:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:09:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:14:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:19:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:24:56	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:29:57	50	0.001	1.02	17.56	50	0.001	1.02	170.41	
10:34:57	50	0.001	1.02	17.94	50	0.001	1.02	170.41	
10:39:57	50	0.001	1.02	17.585	50	0.001	1.02	170.41	
10:49:51	50	0.001	1.02	17.57	50	0.001	1.02	170.41	
10:54:51	50	0.001	1.02	17.589	50	0.001	1.02	170.41	
10:59:51	50	0.001	1.02	17.532	50	0.001	1.02	170.41	
11:04:51	50	0.001	1.02	17.547	50	0.001	1.02	170.41	
11:09:51	50	0.052	1.02	17.428	50	0.001	1.02	170.41	
				17.288	1121.663	0.118	1.02	170.41	

## 2000 PERRY EVALUATED EXERCISE

TIME	Offgas Vent D17-K836	Offgas Vent D19-N400	Offgas Vent D-N440	Offgas Vent Flow M36-N090	TB&HB Vent D17-K856	TB&HB Vent D19-	TB&HB Vent D19-	TB&HB Vent Flow M41-N260
	CPM D17EA033	uCi/cc D19EA005	uCi/cc D19EA006	KCFM M36EA001	CPM D17EA036	N500 uCi/cc D19EA007	N540 uCi/cc D19EA008	KCFM M41EA001
11:14:51	50	0.054	1.02	17.288	2773.6	0.123	1.02	170.41
11:19:51	50	0.055	1.02	17.288	4433.207	0.124	1.02	170.41
11:24:51	50	0.058	1.02	17.288	5009.949	0.133	1.02	170.41
11:29:51	50	0.052	1.02	17.289	5009.949	0.118	1.02	170.41
11:34:51	50	0.046	1.02	17.289	5009.949	0.106	1.02	170.41
11:39:50	50	0.04	1.02	17.288	5009.949	0.09	1.02	170.41
11:44:51	50	0.041	1.02	17.287	5009.949	0.097	1.02	170.41
11:49:50	50	0.035	1.02	17.287	5009.949	0.085	1.02	170.41
11:54:50	50	0.039	1.02	17.287	5009.949	0.092	1.02	170.41
11:59:50	50	0.032	1.02	17.288	5009.949	0.075	1.02	170.41
12:04:50	50	0.033	1.02	17.288	5009.949	0.074	1.02	170.41
12:09:50	50	0.029	1.02	17.288	5009.949	0.069	1.02	170.41
12:14:50	50	0.028	1.02	17.288	5009.949	0.063	1.02	170.41
12:19:50	50	0.026	1.02	17.288	5009.949	0.063	1.02	170.41
12:24:50	50	0.026	1.02	17.288	5009.949	0.059	1.02	170.41
12:29:50	50	0.024	1.02	17.288	5009.949	0.055	1.02	170.41
12:34:50	50	0.023	1.02	17.288	52042.789	0.054	1.02	170.41
12:39:50	50	0.022	1.02	17.288	200008	0.052	1.02	170.41
12:44:50	50	0.021	1.02	17.288	200008	0.05	1.02	170.41
12:49:50	50	0.021	1.02	17.288	200008	0.048	1.02	170.41
12:54:50	50	0.022	1.02	17.288	200008	0.05	1.02	170.41
12:59:50	50	0.027	1.02	17.289	200008	0.062	1.02	170.41
13:04:50	50	0.013	1.02	17.289	200008	0.037	1.02	170.41
13:09:50	50	0.012	1.02	17.289	200008	0.033	1.02	170.41
13:14:50	50	0.04	1.02	17.289	200008	0.098	1.02	170.41
13:19:50	50	0.05	1.02	17.289	200008	0.116	1.02	170.41
13:24:50	50	0.043	1.02	17.289	200008	0.101	1.02	170.41
13:29:49	50	0.039	1.02	17.289	200008	0.088	1.02	170.41
13:34:50	50	0.034	1.02	17.289	200008	0.08	1.02	170.41
13:39:49	50	0.032	1.02	17.289	200008	0.072	1.02	170.41
13:44:49	50	0.032	1.02	17.289	169472.625	0.075	1.02	170.41
13:49:49	50	0.001	1.02	17.289	102729.875	0.002	1.02	170.41
13:54:49	50	0.001	1.02	17.289	35570.266	0.001	1.02	170.41
13:59:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:04:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:09:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:14:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:19:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:24:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:29:49	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41
14:31:29	50	0.001	1.02	17.289	259.997	0.001	1.02	170.41

Table 8.5.2

Computer-Aided Dose Assessment Program (CADAP)  
Offsite Dose Results for RCIC Steam Leak

CADAP for Windows Results - Screen 1 Monitored Release Calculation

Time: 19:46:30

Date: Jan 18, 2000

Distance	X / Q	Whole Body	TEDE	Child Thyroid
		Dose Rate (R/hr)	Dose (R)	Dose (R)
SB	1.30E-04	9.67E-05	1.21E-03	1.63E-02
1 MILE	7.10E-05	5.17E-05	6.48E-04	8.83E-03
2 MILES	3.57E-05	2.47E-05	3.13E-04	4.37E-03
3 MILES	2.35E-05	1.55E-05	1.97E-04	2.82E-03
4 MILES	1.73E-05	1.09E-05	1.40E-04	2.04E-03
5 MILES	1.36E-05	8.15E-06	1.06E-04	1.57E-03
6 MILES	1.11E-05	6.39E-06	8.38E-05	1.27E-03
7 MILES	9.42E-06	5.17E-06	6.84E-05	1.06E-03
8 MILES	8.14E-06	4.28E-06	5.72E-05	8.98E-04
9 MILES	7.15E-06	3.60E-06	4.86E-05	7.78E-04
10 MILES	6.37E-06	3.08E-06	4.20E-05	6.82E-04

METEOROLOGICAL DATA

\* = Dose Exceeds PAR Limits

Wind Speed: 4.0 mph

Wind Direction: 290 deg

Stability Class: F

RELEASE DURATION

6.00 Hours

PRELIMINARY EMERGENCY CLASSIFICATION

NONE  
based on  
Projected Doses

PROTECTIVE ACTION RECOMMENDATION

based on General Emergency classification:  
EVACUATE Subareas 1, 2, 3.

Time Since Reactor Power < 4%: 2.00 Hours  
 No Damage Spectrum Used  
 Primary System Plateout  
 Filtration On  
 Unit 1 Vent: Low Range = 7.56E+02 cpm, Flow Rate = 8.85E+01 kcfm  
 Time Since Reactor Power < 4%: 2.00 Hours  
 No Damage Spectrum Used



Primary System Plateout  
No Filtration  
TB/HB Vent: Low Range =  $2.98E+03$  cpm, Flow Rate =  $1.70E+02$  kcfm

Prepared by: \_\_\_\_\_

Approved by: \_\_\_\_\_

9. Meteorological Data:

- (a) Wind Speed: 4.0 mph
- (b) Wind Direction from: 290 degrees
- (c) Stability Class: F
- (d) Precipitation:  Yes  No

10. Recommended Protective Actions:

- (a) Evacuation of people as follows:
 

Subareas	1, 2, 3
Other	
- (b) Sheltering of people as follows:
 

Subareas	
Other	
- (c) Other: 

--

11. Recommended protective actions based on: (EPI-B8)

- (a) A General Emergency has been declared.
- (b) Calculations based on elevated radiation levels out plant vents.
- (c) Actual field monitoring team levels
- (d) Potential release calculations

12. Offsite Release Information

- (a) Airborne release
- (b) Liquid release
- (c) Actual start time: 


 hours
- (d) Estimated start time: 


 hours
- (e) Release duration: 

6.00

 hours
- (f) Time of Reactor Power <4%: 


 hours

13. Release Rates:

	VENT	MONITOR READING	RANGE	FLOW RATE (kcfm)
(a)	UNIT 1	7.56E+02	LOW	8.850E+01
(b)	UNIT 2	8.80E+01	LOW	5.454E+01
(c)	TB/HB	2.98E+03	LOW	1.704E+02
(d)	OFFGAS	4.50E+01	LOW	1.755E+01

14. Source Term used for Calculation, based on Core Condition:

- No Damage  Clad Damage  Fuel Melt  Iso. Sample

15. Non-noble gas reduction factors:

- (a) Suppression Pool Temp < 212 F
- (b) Suppression Pool Temp >= 212 F
- (c) 0.5 - 24 Hour Holdup
- (d) > 24 Hour Holdup
- (e) Containment Spray
- (f) Fuel Pool Scrubbing
- (g) Primary System Plateout
- (h) Unfiltered
- (i) Filtered
- (j) FHBVS

16. Projected offsite dose at 19:46:30 based on a 6.00 hour release duration:

	A	B	C	D	E
DIST.	SECTOR(S)	TEDE RATE (REM/HR)	TEDE (REM)	C.T. RATE (REM/HR)	C.T. DOSE (REM)
SB	E, F & G	2.01E-04	1.21E-03	2.71E-03	1.63E-02
2 miles	E, F & G	5.21E-05	3.13E-04	7.28E-04	4.37E-03
5 miles	E, F & G	1.76E-05	1.06E-04	2.62E-04	1.57E-03
10 miles	E, F & G	7.00E-06	4.20E-05	1.14E-04	6.82E-04

17. Field Survey Data:

- Not Applicable (no abnormal release has occurred).

	A	B	C	D	E
#	TIME TAKEN	DISTANCE (miles)	SECTOR(S)	GAMMA DOSE RATE (REM/HR)	CHILD THYROID DOSE (REM) BASED ON HRS IMMERS.
1					
2					
3					
4					

18. Estimate of any surface contamination:

- (a) Contamination readings are at normal levels at this time.
- (b) 

--

19. DRD to TEDE conversion factor is: 

2.07
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20. I repeat:  This is a Drill  This is an actual emergency

Table 8.5.3

Computer-Aided Dose Assessment Program (CADAP)  
Offsite Dose Results for Fuel Failure

CADAP for Windows Results - Screen 1 Monitored Release Calculation

Time: 20:00:14

Date: Jan 18, 2000

Distance	X / Q	Whole Body	TEDE	Child Thyroid
		Dose Rate (R/hr)	Dose (R)	Dose (R)
SB	1.16E-04	3.41E-02	2.75E+00 *	9.24E+01 *
1 MILE	6.35E-05	1.83E-02	1.50E+00 *	5.05E+01 *
2 MILES	3.19E-05	8.77E-03	7.45E-01	2.53E+01 *
3 MILES	2.09E-05	5.47E-03	4.84E-01	1.65E+01 *
4 MILES	1.54E-05	3.82E-03	3.53E-01	1.21E+01 *
5 MILES	1.21E-05	2.86E-03	2.74E-01	9.46E+00 *
6 MILES	9.93E-06	2.23E-03	2.23E-01	7.73E+00 *
7 MILES	8.39E-06	1.80E-03	1.87E-01	6.50E+00 *
8 MILES	7.25E-06	1.48E-03	1.60E-01	5.60E+00 *
9 MILES	6.37E-06	1.24E-03	1.40E-01	4.90E+00
10 MILES	5.67E-06	1.06E-03	1.23E-01	4.35E+00

METEOROLOGICAL DATA

\* = Dose Exceeds PAR Limits

Wind Speed: 4.5 mph  
 Wind Direction: 294 deg  
 Stability Class: F

RELEASE DURATION  
 6.00 Hours

PRELIMINARY EMERGENCY CLASSIFICATION

GENERAL EMERGENCY  
 based on  
 Projected Doses

PROTECTIVE ACTION RECOMMENDATION

based on projected/actual doses:  
 EVACUATE Subareas 1, 2, 3, 4, 5

Time Since Reactor Power < 4%: 2.00 Hours  
 Clad Damage Spectrum Used  
 Suppression Pool Temp < 212 F  
 24 Hour Holdup  
 Filtration On  
 Unit 1 Vent: Low Range = 5.01E+03 cpm, Flow Rate = 8.85E+01 kcfm  
 Time Since Reactor Power < 4%: 2.00 Hours

Clad Damage Spectrum Used  
Primary System Plateout  
No Filtration  
TB/HB Vent: Low Range =  $2.00E+05$  cpm, Flow Rate =  $1.70E+02$  kcfm

Prepared by: \_\_\_\_\_

Approved by: \_\_\_\_\_

9. Meteorological Data:

- (a) Wind Speed 4.5 mph
- (b) Wind Direction from: 294 degrees
- (c) Stability Class: F
- (d) Precipitation:  Yes  No

10. Recommended Protective Actions:

- (a) Evacuation of people as follows:
 

Subareas:	1, 2, 3, 4, 5
Other:	
- (b) Sheltering of people as follows:
 

Subareas:	
Other:	
- (c) Other: 

--

11. Recommended protective actions based on: (EPI-B8)

- (a) A General Emergency has been declared.
- (b) Calculations based on elevated radiation levels out plant vents.
- (c) Actual field monitoring team levels
- (d) Potential release calculations

12. Offsite Release Information

- (a) Airborne release
- (b) Liquid release
- (c) Actual start time: 

--

 hours
- (d) Estimated start time: 

--

 hours
- (e) Release duration: 

6.00
------

 hours
- (f) Time of Reactor Power <4%: 

--

 hours

13. Release Rates:

VENT	MONITOR READING	RANGE	FLOW RATE (kcfm)
(a) UNIT 1	5.01E+03	LOW	8.850E+01
(b) UNIT 2	8.80E+01	LOW	5.455E+01
(c) TB/HB	2.00E+05	LOW	1.704E+02
(d) OFFGAS	4.50E+01	LOW	1.729E+01

14. Source Term used for Calculation, based on Core Condition:

- No Damage  Clad Damage  Fuel Melt  Iso. Sample

15. Non-noble gas reduction factors:

- (a) Suppression Pool Temp < 212 F
- (b) Suppression Pool Temp >= 212 F
- (c) 0.5 - 24 Hour Holdup
- (d) > 24 Hour Holdup
- (e) Containment Spray
- (f) Fuel Pool Scrubbing
- (g) Primary System Plateout
- (h) Unfiltered
- (i) Filtered
- (j) FHBVS

16. Projected offsite dose at 20:00:14 based on a 6.00 hour release duration:

DIST.	A	B	C	D	E
SECTOR(S)	TEDE RATE (REM/HR)	TEDE (REM)	TEDE (REM)	C.T. RATE (REM/HR)	C.T. DOSE (REM)
SB	E, F & G	4.58E-01	2.75E+00	1.54E+01	9.24E+01
2 miles	E, F & G	1.24E-01	7.45E-01	4.21E+00	2.53E+01
5 miles	E, F & G	4.57E-02	2.74E-01	1.58E+00	9.46E+00
10 miles	E, F & G	2.06E-02	1.23E-01	7.25E-01	4.35E+00

17. Field Survey Data:

- Not Applicable (no abnormal release has occurred)

A	B	C	D	E
TIME # TAKEN	DISTANCE (miles)	SECTOR(S)	GAMMA DOSE RATE (REM/HR)	CHILD THYROID DOSE (REM) BASED ON HRS IMMERS.
1				
2				
3				
4				

18. Estimate of any surface contamination:

- (a) Contamination readings are at normal levels at this time.
- (b) 

--

19. DRD to TEDE conversion factor is: 13.22

20. I repeat:  This is a Drill  This is an actual emergency

**SECTION 8.6**

**PLUME MAPS/FIELD TEAM DATA**

## 2000 PERRY EVALUATED EXERCISE

### 8.6 FIELD TEAM DATA/PLUME MAPS

The following tables include data to be used by field Radiation Monitoring Teams (and their Controllers) to help track the plume and evaluate the severity of the radiological release. These data will also be used by radiological assessment personnel to correlate environmental findings to the values calculated using effluent isotopic and meteorological values.

This section contains the following:

<u>Reference</u>	<u>Title</u>	<u>Page No.</u>
Figure 8.6.1 thru 8.6.10	Plume Position Maps	8.6-2
Table 8.6.1	Release Rate (Time vs. Distance)	8.6-13
Table 8.6.2	Plume Position (Time vs. Distance)	8.6-15
Table 8.6.3	Closed Window Whole Body Dose Rates (Time vs. Distance)	8.6-17
Table 8.6.4	Open Window Whole Body Dose Rates (Time vs. Distance)	8.6-19
Table 8.6.5	Child Thyroid Dose Rates (Time vs. Distance)	8.6-21
Table 8.6.6	Iodine Concentrations (Time vs. Distance)	8.6-23
Table 8.6.7	Silver Zeolite Cartridge Readings for PRM6/GM1 (Time vs. Distance)	8.6-25
Table 8.6.8	Lake County Field Team Data for Silver Zeolite Cartridge (Time vs. Distance)	8.6-27
Table 8.6.9	State of Ohio Field Team Data for Silver Zeolite Cartridge (Time vs. Distance)	8.6-29



## 2000 PERRY EVALUATED EXERCISE

### PLUME POSITION MAPS

<u>Figure No.</u>	<u>Time Period</u>	<u>Page No.</u>
8.6.1	1235 - 1245	8.6-3
8.6.2	1245 - 1300	8.6-4
8.6.3	1300 - 1315	8.6-5
8.6.4	1315 - 1330	8.6-6
8.6.5	1330 - 1345	8.6-7
8.6.6	1345 - 1400	8.6-8
8.6.7	1400 - 1415	8.6-9
8.6.8	1415 - 1430	8.6-10
8.6.9	1430 - 1445	8.6-11
8.6.10	1445 - END	8.6-12

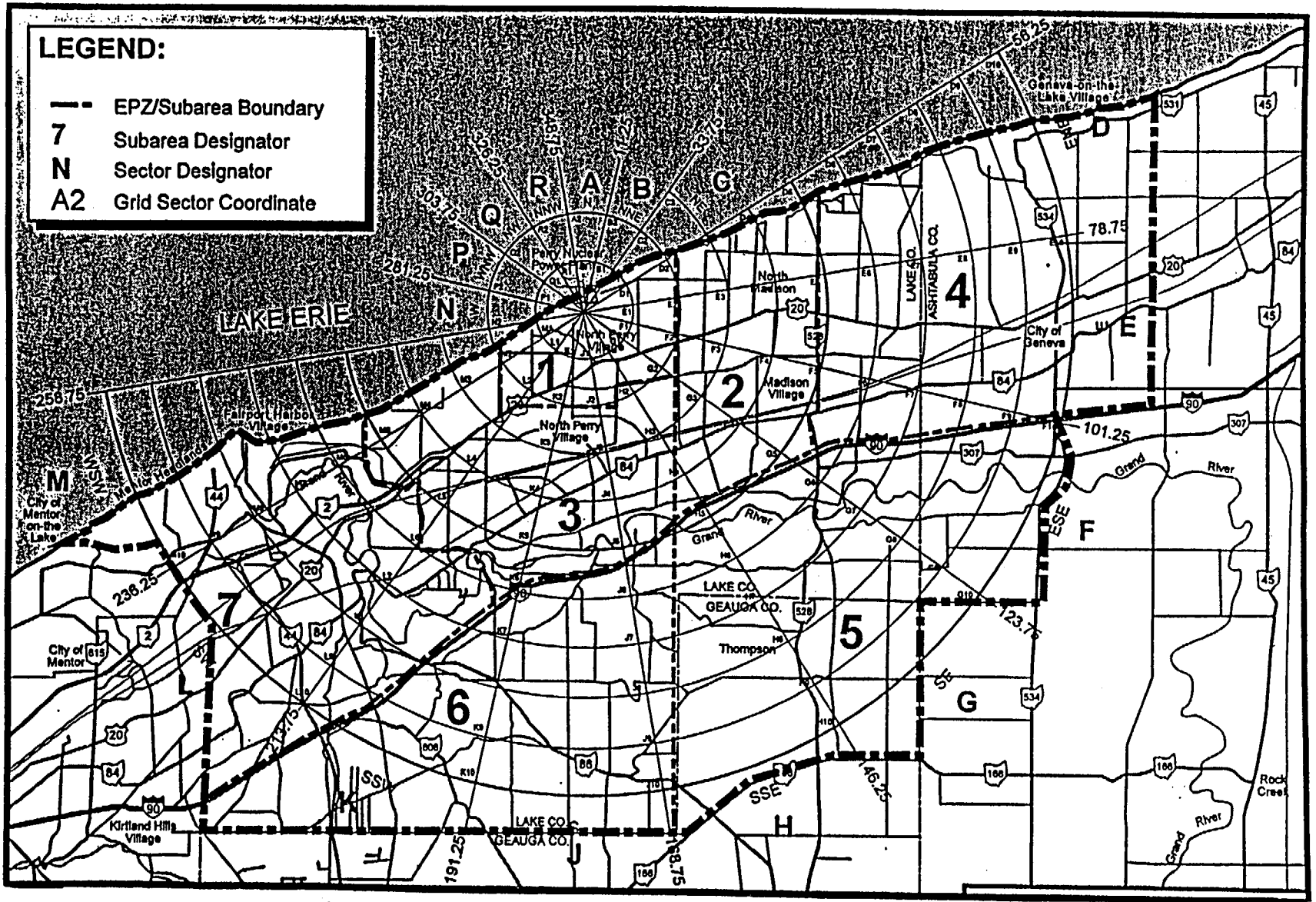


Figure 8.5.1: 1235 to 1245

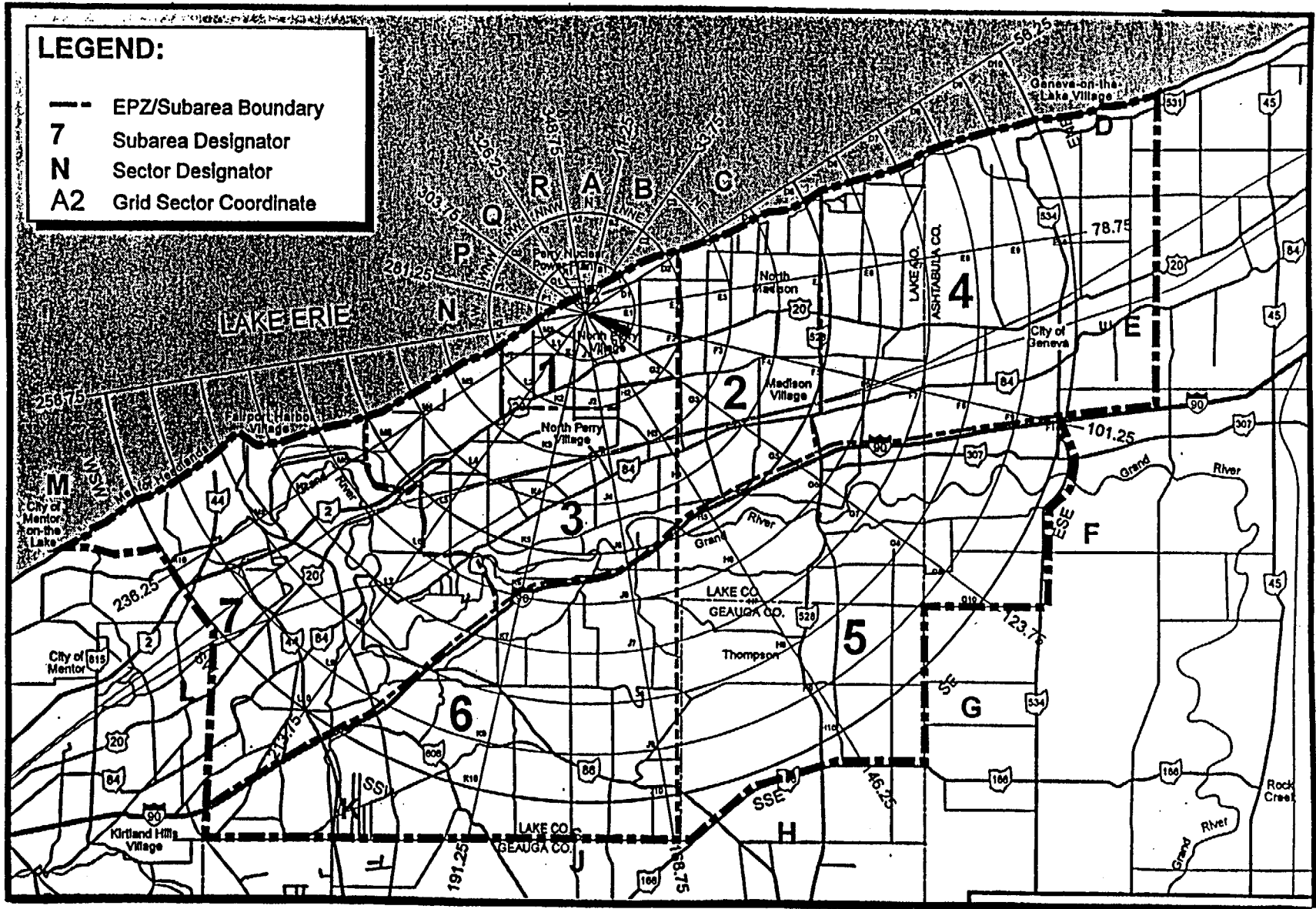


Figure 8.5.2: 1245 to 1300

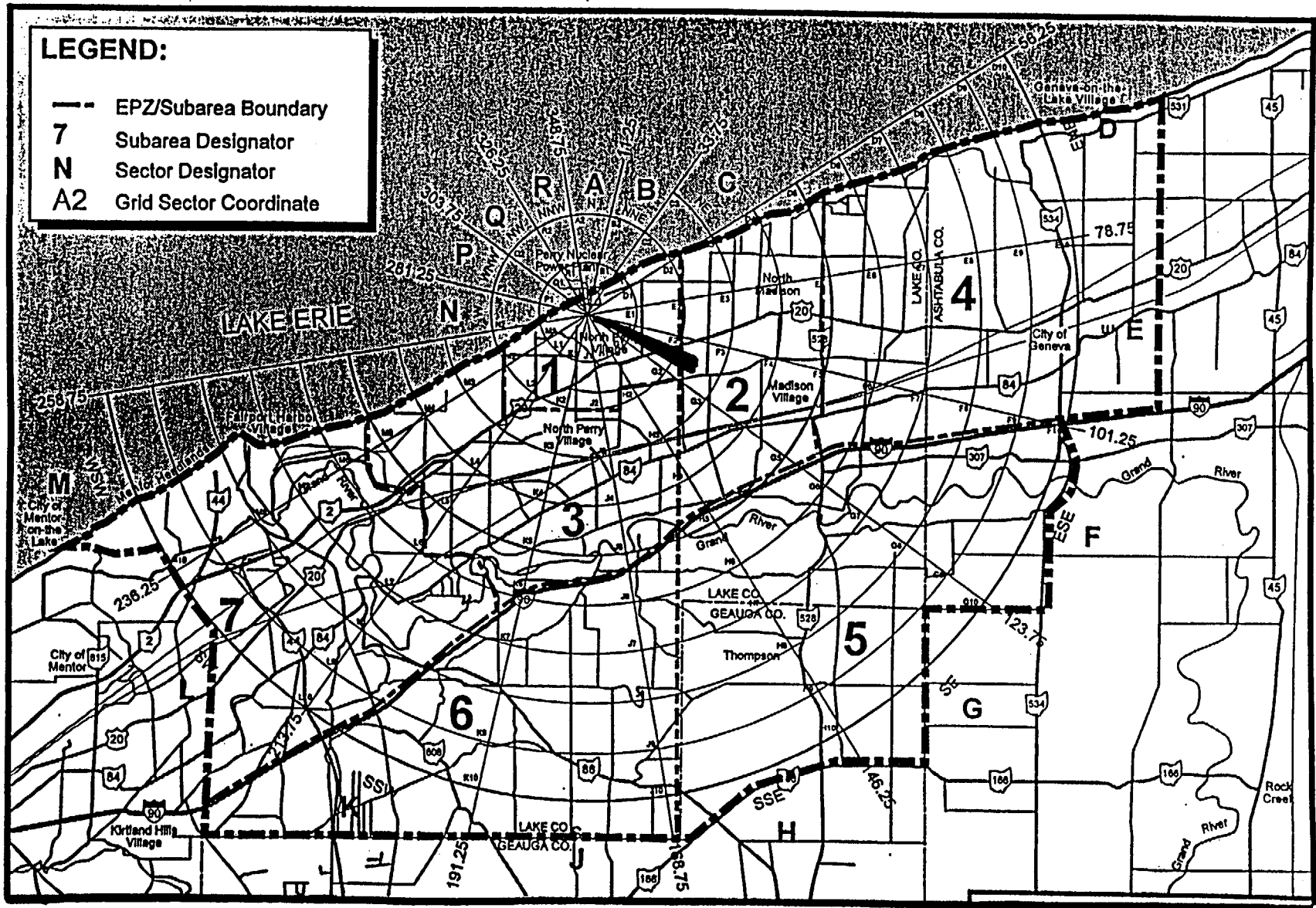


Figure 8.5.3: 1300 to 1315

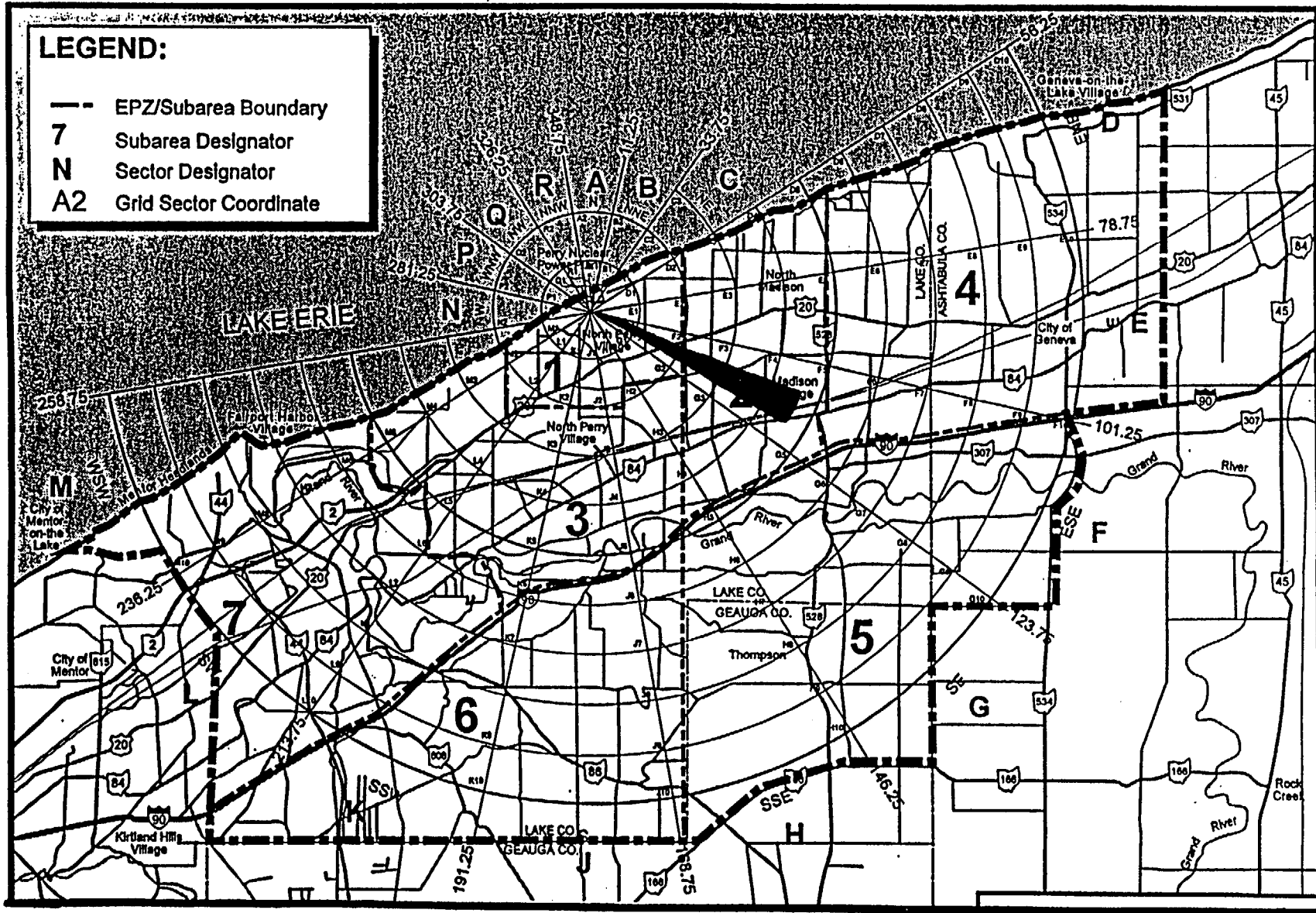


Figure 8.5.4: 1315 to 1330

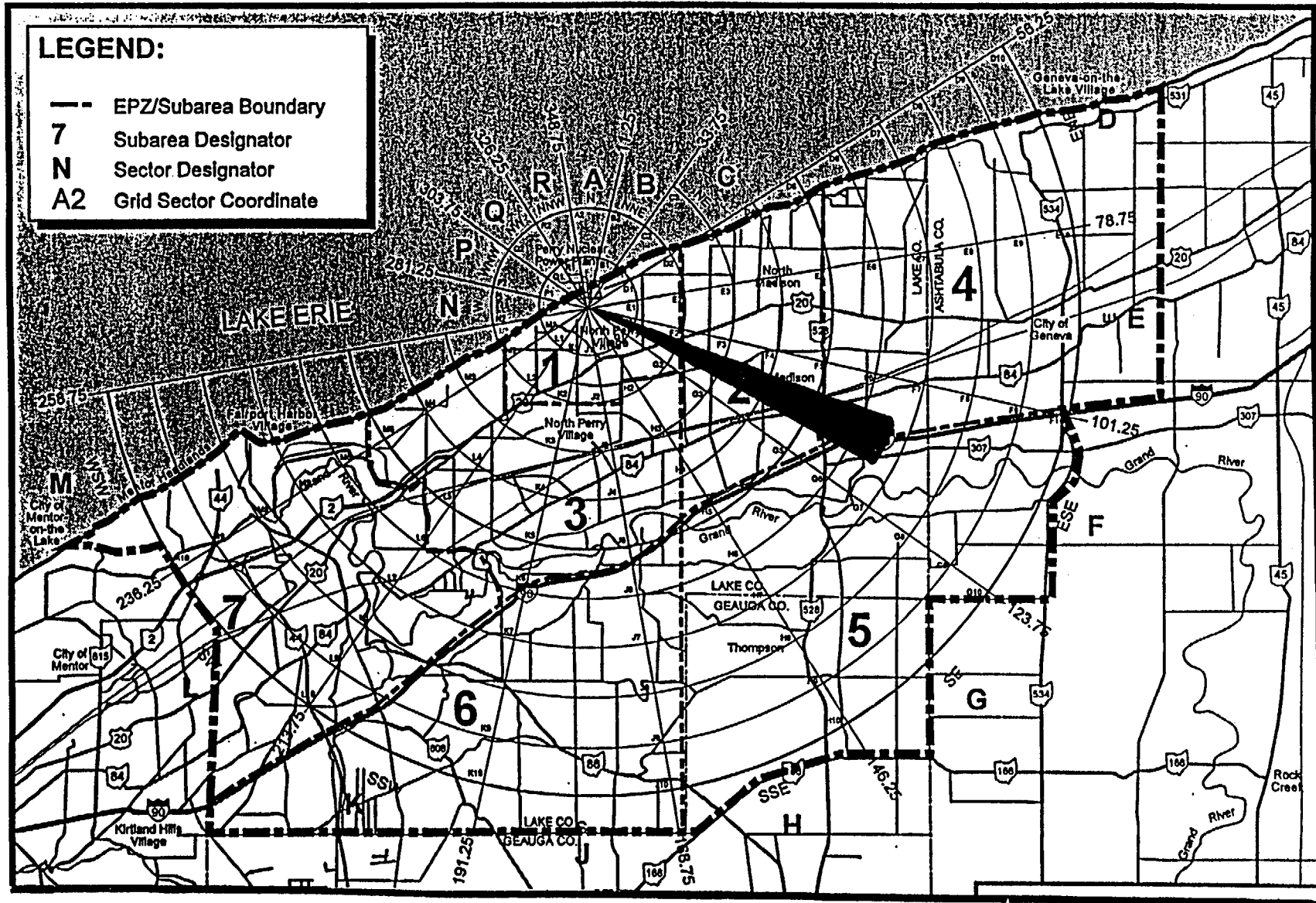


Figure 8.5.5: 1330 to 1345

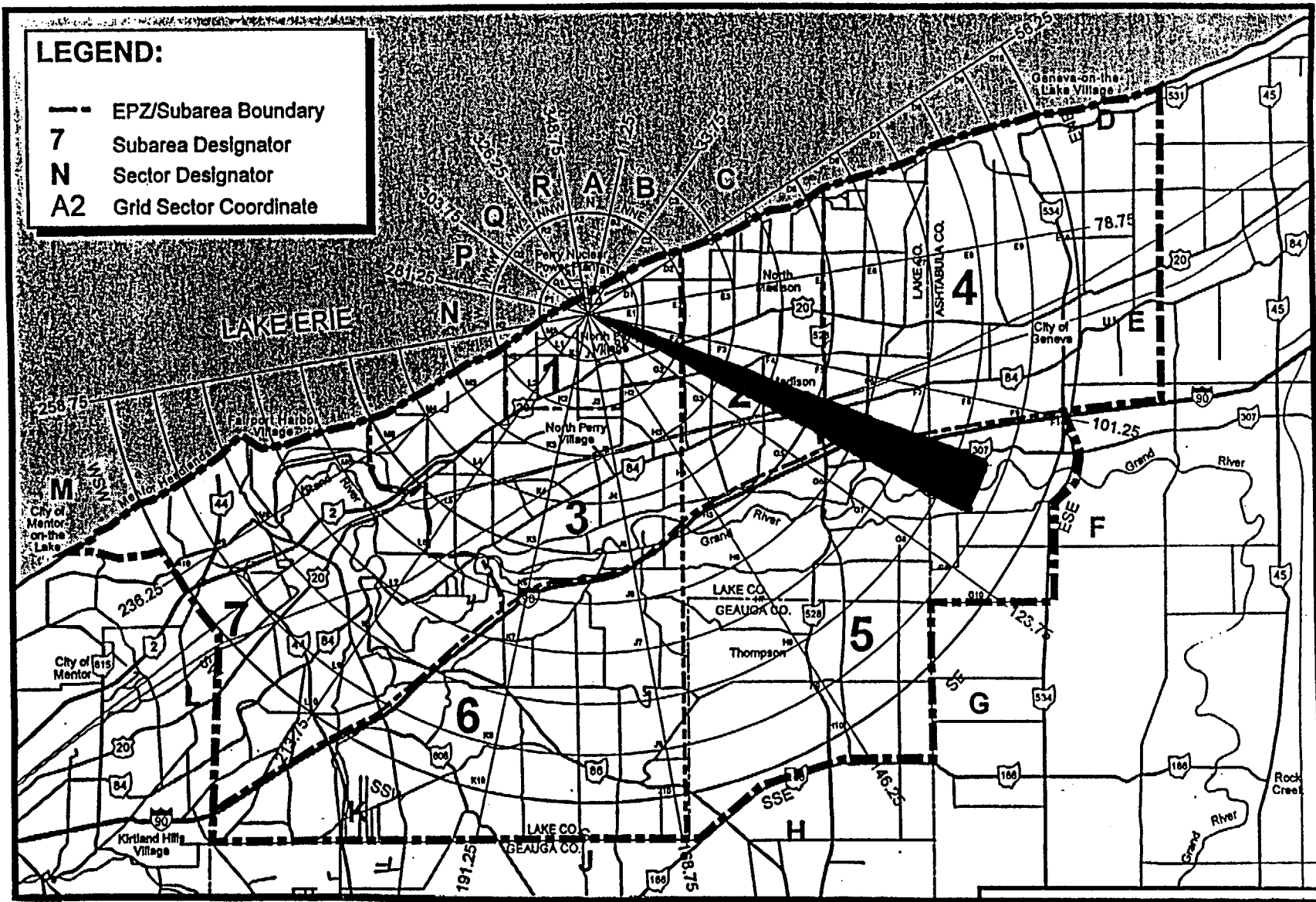


Figure 8.5.6: 1345 to 1400

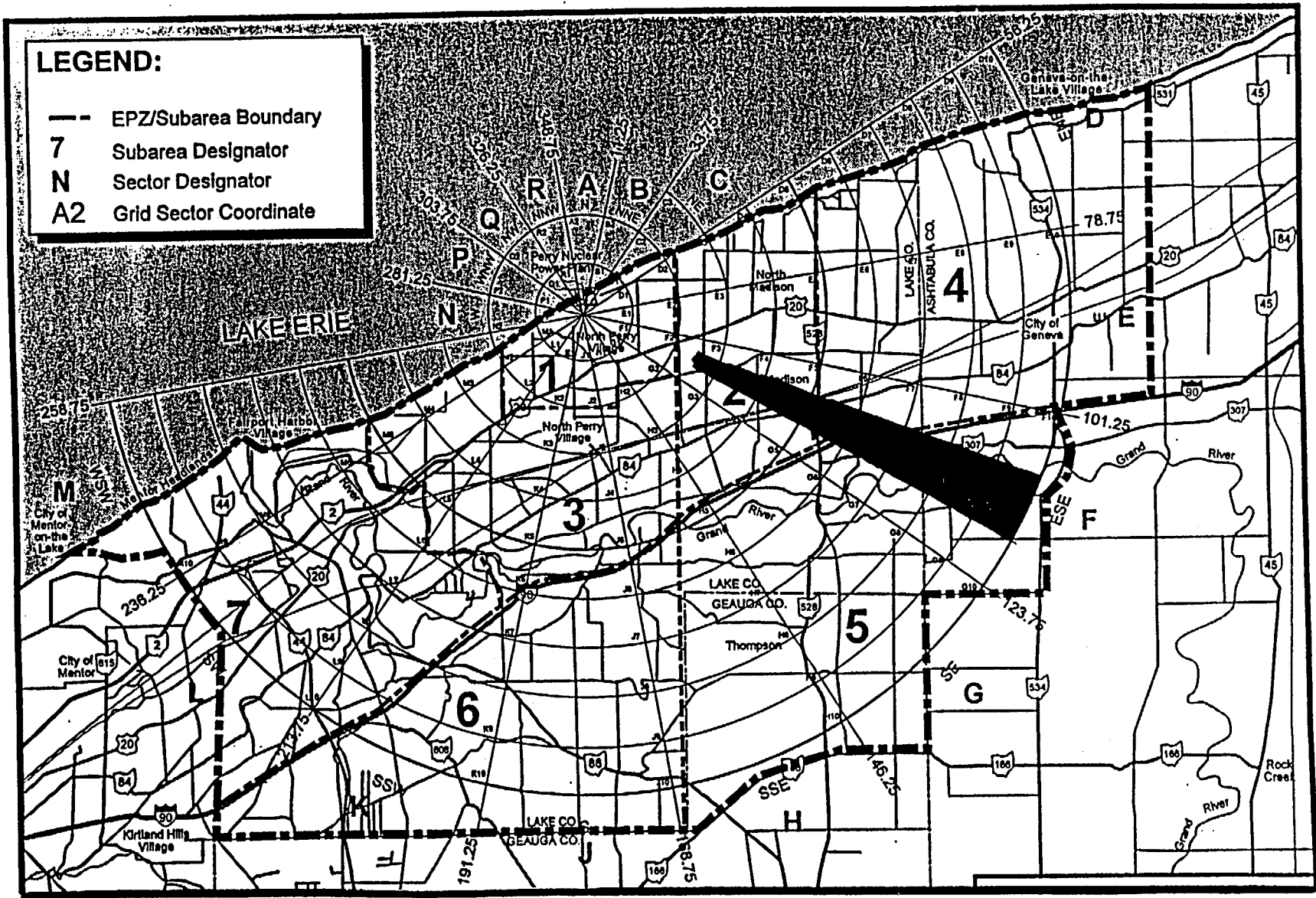


Figure 8.5.7: 1400 to 1415



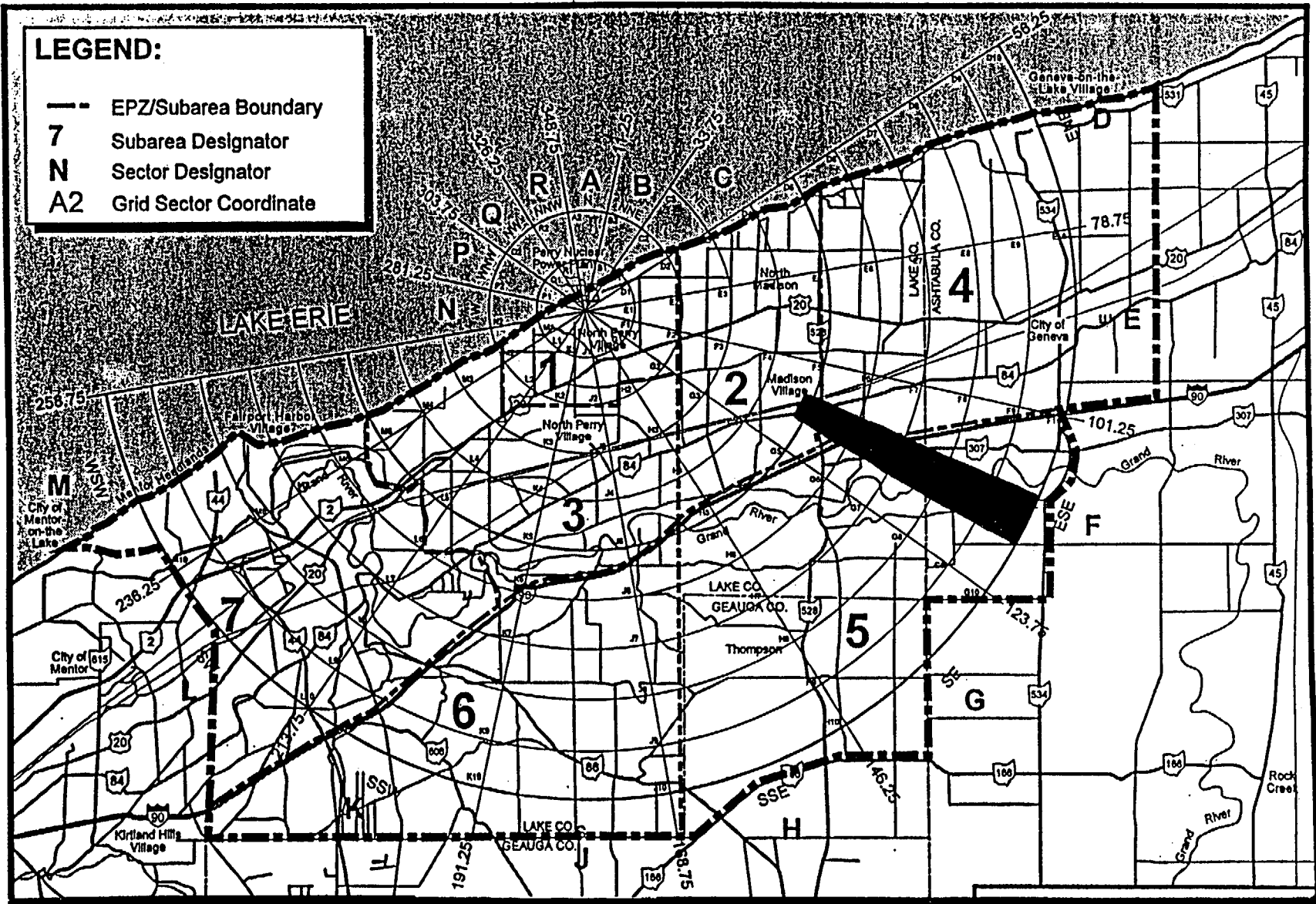


Figure 8.5.8: 1415 to 1430

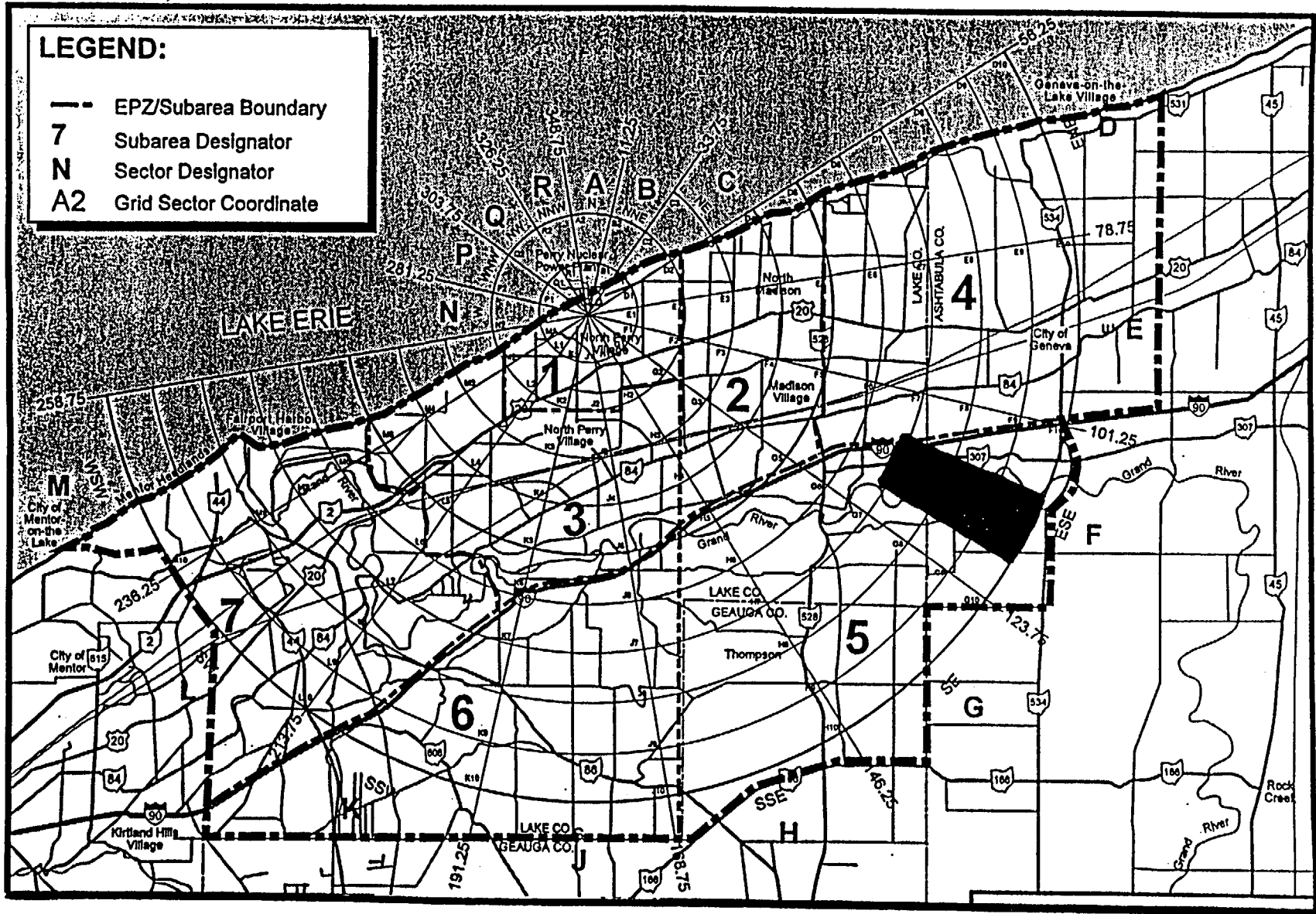
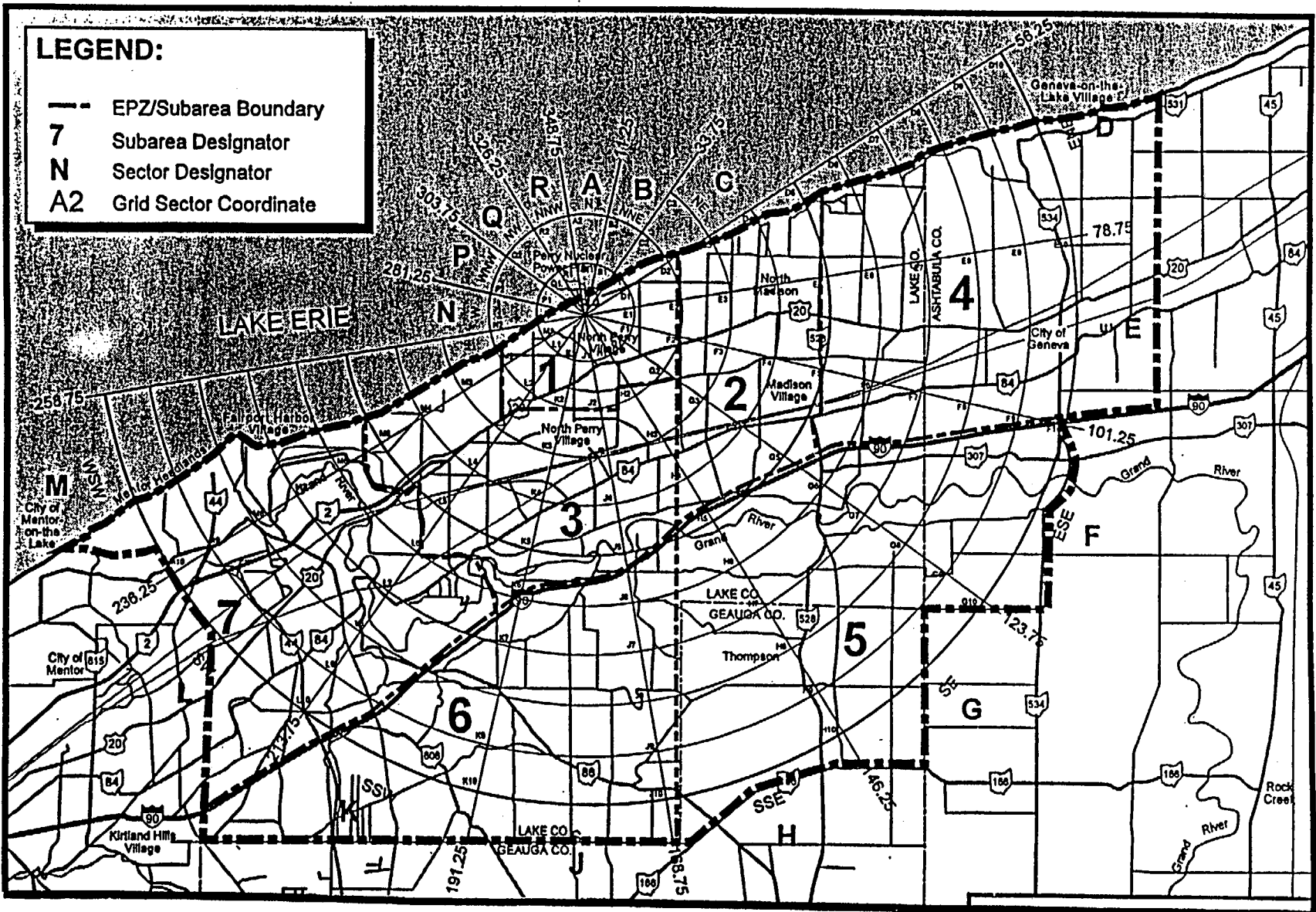


Figure 8.5.9: 1430 to 1445



**LEGEND:**

- EPZ/Subarea Boundary
- 7 Subarea Designator
- N Sector Designator
- A2 Grid Sector Coordinate

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.1

Release Rate Times

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	1235	1235								
1300	1245	1245	1235	1235	1235					
1315	1300	1300	1300	1245	1245	1245	1235	1235	1235	
1330	1315	1315	1315	1315	1300	1300	1300	1245	1245	1245
1345	1330	1330	1330	1330	1315	1315	1315	1315	1300	1300
1400					1330	1330	1330	1330	1315	1315
1415									1330	1330
1430										
1445										

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.1 (Cont.)

Release Rate Times

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330	1235	1235	1235							
1345	1300	1300	1245	1245	1245	1235	1235			
1400	1315	1315	1315	1300	1300	1300	1245	1245	1245	1235
1415	1330	1330	1330	1315	1315	1315	1315	1300	1300	1300
1430				1330	1330	1330	1330	1330	1315	1315
1445										1330

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.2

Plume Position

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	XXXX	XXXX								
1300	XXXX	XXXX	XXXX	XXXX	XXXX					
1315	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
1330	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1345	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1400					XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1415									XXXX	XXXX
1430										
1445										

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.2 (Cont.)

Plume Position

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330	XXXX	XXXX	XXXX							
1345	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX			
1400	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1415	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1430				XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1445										XXXX

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.3

Closed Window Whole Body Dose Rates (mR/hr)

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	BKGD	BKGD								
1300	11	10	BKGD	BKGD	BKGD					
1315	11	10	9.5	7.6	6.8	6.0	BKGD	BKGD	BKGD	
1330	11	10	9.5	8.6	6.9	6.0	5.2	3.8	3.0	2.4
1345	BKGD	BKGD	BKGD	BKGD	7.4	6.5	5.6	4.7	3.5	2.6
1400					BKGD	BKGD	BKGD	BKGD	4.0	3.1
1415									BKGD	BKGD
1430										
1445										
INT* DOSE	8.9E+00	8.3E+00	5.2E+00	4.4E+00	5.6E+00	4.8E+00	3.0E+00	2.3E+00	2.8E+00	2.1E+00
MAX** DOSE	6.7E+01	6.3E+01	5.7E+01	5.2E+01	4.6E+01	4.0E+01	3.5E+01	2.9E+01	2.4E+01	1.8E+01

\*INT Dose is the actual dose received if exposed at centerline for the entire release.

\*\*MAX Dose is the projected dose based on the default duration for centerline values.

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.



## 2000 PERRY EVALUATED EXERCISE

Table 8.6.3 (Cont.)

Closed Window Whole Body Dose Rates (mR/hr)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330	BKGD	BKGD	BKGD							
1345	2.5	2.3	1.8	1.7	1.5	BKGD	BKGD			
1400	2.8	2.6	2.4	1.9	1.7	1.6	1.2	BKGD	BKGD	BKGD
1415	BKGD	BKGD	1.3	2.2	2.0	1.8	1.6	1.2		BKGD
1430				BKGD	BKGD	BKGD	BKGD	BKGD	1.2	BKGD
1445										BKGD
INT* DOSE	1.4E+00	1.3E+00	1.4E+00	1.5E+00	1.4E+00	9.5E-01	8.0E-01	7.6E-01	7.8E-01	5.5E-01
MAX** DOSE	1.7E+01	1.6E+01	1.4E+01	1.3E+01	1.2E+01	1.1E+01	9.6E+00	8.4E+00	7.2E+00	6.0E+00

\*INT Dose is the actual dose received if exposed at centerline for the entire release.

\*\*MAX Dose is the projected dose based on the default duration for centerline values.

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.4

Open Window Whole Body Dose Rates (mR/hr)

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	2.4	2.2								
1300	26	24	1.9	1.7	1.5					
1315	26	24	22	17	16	14	BKGD	BKGD	BKGD	
1330	26	24	22	20	16	14	12	8.6	6.9	5.5
1345	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	8.0	6.1
1400					1.7	1.5	1.3	1.1	9.3	7.2
1415									BKGD	BKGD
1430										
1445										

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.4 (Cont.)

Open Window Whole Body Dose Rates (mR/hr)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330	BKGD	BKGD	BKGD							
1345	5.7	5.3	4.2	3.8	3.5	BKGD	BKGD			
1400	6.4	6.0	5.5	4.4	4.0	3.6	2.7	2.4	2.0	BKGD
1415	BKGD	BKGD	3.0	5.1	4.6	4.2	3.7	2.8	2.4	2.0
1430				BKGD	BKGD	BKGD	BKGD	1.8	2.7	2.3
1445										BKGD

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.5

Child Thyroid Dose Rates (mRem/hr)

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	260	240								
1300	2600	2400	200	190	170					
1315	2600	2400	2200	1800	1600	1400	120	100		
1330	2600	2400	2200	2000	1600	1400	1300	930	770	640
1345	260	240	220	200	1700	1600	1400	1200	880	700
1400					190	160	140	120	1000	820
1415									110	
1430										
1445										
INT* DOSE	2.0E+03	1.9E+03	1.2E+03	1.0E+03	1.3E+03	1.1E+03	7.2E+02	5.8E+02	7.2E+02	5.6E+02
MAX** DOSE	1.5E+04	1.4E+04	1.3E+04	1.2E+04	1.1E+04	9.6E+03	8.4E+03	7.2E+03	6.0E+03	4.8E+03

\*INT Dose is the actual dose received if exposed at centerline for the entire release.

\*\*MAX Dose is the projected dose based on the default duration for centerline values.

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.5 (Cont.)

Child Thyroid Dose Rates (mRem/hr)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330										
1345	670	630	510	480	450					
1400	750	710	670	560	520	490	380	350	320	
1415			370	640	600	560	520	420	380	350
1430								250	430	390
1445										
INT* DOSE	3.9E+02	3.7E+02	4.0E+02	4.4E+02	4.1E+02	2.9E+02	2.5E+02	2.6E+02	2.8E+02	2.0E+02
MAX** DOSE	4.6E+03	4.3E+03	4.1E+03	3.8E+03	3.6E+03	3.4E+03	3.1E+03	2.9E+03	2.6E+03	2.4E+03

\*INT Dose is the actual dose received if exposed at centerline for the entire release.

\*\*MAX Dose is the projected dose based on the default duration for centerline values.

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.6

Iodine Concentrations in uCi/cc

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	1.3E-07	1.2E-07								
1300	1.3E-06	1.2E-06	1.0E-07	9.3E-08	8.4E-08					
1315	1.3E-06	1.2E-06	1.1E-06	8.8E-07	8.0E-07	7.1E-07	5.9E-08	5.1E-08		
1330	1.3E-06	1.2E-06	1.1E-06	1.0E-06	8.1E-07	7.2E-07	6.3E-07	4.7E-07	3.9E-07	3.2E-07
1345	1.3E-07	1.2E-07	1.1E-07	1.0E-07	8.7E-07	7.8E-07	6.8E-07	5.8E-07	4.4E-07	3.5E-07
1400					9.3E-08	8.2E-08	7.2E-08	6.2E-08	5.1E-07	4.1E-07
1415									5.4E-08	
1430										
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.6 (Cont.)

Iodine Concentrations in uCi/cc

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330										
1345	3.3E-07	3.2E-07	2.6E-07	2.4E-07	2.3E-07					
1400	3.8E-07	3.6E-07	3.4E-07	2.8E-07	2.6E-07	2.4E-07	1.9E-07	1.8E-07	1.6E-07	
1415			1.9E-07	3.2E-07	3.0E-07	2.8E-07	2.6E-07	2.1E-07	1.9E-07	1.7E-07
1430								1.3E-07	2.1E-07	1.9E-07
1445										

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.7  
SILVER ZEOLITE CARTRIDGE READINGS PRM6/GM-1  
PRM - 6/GM-1 CPM NET

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	2.6E+05	2.4E+05								
1300	2.6E+06	2.4E+06	2.0E+05	1.9E+05	1.7E+05					
1315	2.6E+06	2.4E+06	2.2E+06	1.8E+06	1.6E+06	1.4E+06	1.2E+05	1.0E+05		
1330	2.6E+06	2.4E+06	2.2E+06	2.0E+06	1.6E+06	1.4E+06	1.3E+06	9.3E+05	7.7E+05	6.4E+05
1345	2.6E+05	2.4E+05	2.2E+05	2.0E+05	1.7E+06	1.6E+06	1.4E+06	1.2E+06	8.8E+05	7.0E+05
1400					1.9E+05	1.6E+05	1.4E+05	1.2E+05	1.0E+06	8.2E+05
1415									1.1E+05	
1430										
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.
- 4) The value is for both the filter adsorber and the bare adsorber.



## 2000 PERRY EVALUATED EXERCISE

Table 8.6.7 (Cont.)

PRM - 6/GM-1 CPM (NET)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330										
1345	6.7E+05	6.3E+05	5.1E+05	4.8E+05	4.5E+05					
1400	7.5E+05	7.1E+05	6.7E+05	5.6E+05	5.2E+05	4.9E+05	3.8E+05	3.5E+05	3.2E+05	
1415			3.7E+05	6.4E+05	6.0E+05	5.6E+05	5.2E+05	4.2E+05	3.8E+05	3.5E+05
1430								2.5E+05	4.3E+05	3.9E+05
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.
- 4) The value is for both the filter adsorber and the bare adsorber.

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.8

Lake County Field Team Data Silver Zeolite Cartridge -  
Net Counts for 1 Minute (I-131)

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	7.72E+03	7.13E+03								
1300	7.72E+04	7.13E+04	5.94E+03	5.52E+03	4.99E+03					
1315	7.72E+04	7.13E+04	6.53E+04	5.23E+04	4.75E+04	4.22E+04	3.50E+03	3.03E+03		
1330	7.72E+04	7.13E+04	6.53E+04	5.94E+04	4.81E+04	4.28E+04	3.74E+04	2.79E+04	2.32E+04	1.90E+04
1345	7.72E+03	7.13E+03	6.53E+03	5.94E+03	5.17E+04	4.63E+04	4.04E+04	3.45E+04	2.61E+04	2.08E+04
1400					5.52E+03	4.87E+03	4.28E+03	3.68E+03	3.03E+04	2.44E+04
1415									3.21E+03	
1430										
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.
- 4) Air sample volume 90,000 cc = sample flow rate: 60L/min; sample time.
- 5) Silver Zeolite Cartridge Efficiency: 90%.
- 6) Ag<sub>2</sub> Efficiency (used to measure Ag<sub>2</sub> for I-131): 5.8%.
- 7) Maximum meter range 1.0E7 counts.
- 8) Assume filter activity approximately zero (no particulates).
- 9) Concentrations from Table 8.6.6 multiplied by a conversion factor of 5.94E10 to determine counts per minute (cpm).

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.8 (Cont.)

Lake County Field Team Data Silver Zeolite Cartridge -  
Net Counts for 1 Minute (I-131)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330										
1345	1.96E+04	1.90E+04	1.54E+04	1.43E+04	1.37E+04					
1400	2.26E+04	2.14E+04	2.02E+04	1.66E+04	1.54E+04	1.43E+04	1.13E+04	1.07E+04	9.50E+03	
1415			1.13E+04	1.90E+04	1.78E+04	1.66E+04	1.54E+04	1.25E+04	1.13E+04	1.01E+04
1430								7.72E+03	1.25E+04	1.13E+04
1445										

- NOTES:
- 1) All values represent plume centerline readings.
  - 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
  - 3) The value at the plume edge equals 1% of the centerline readings.
  - 4) Air sample volume 90,000 cc = sample flow rate: 60L/min; sample time.
  - 5) Silver Zeolite Cartridge Efficiency: 90%.
  - 6) Ag<sub>2</sub> Efficiency (used to measure Ag<sub>2</sub> for I-131): 5.8%.
  - 7) Maximum meter range 1.0E7 counts.
  - 8) Assume filter activity approximately zero (no particulates).
  - 9) Concentrations from Table 8.6.6 multiplied by a conversion factor of 5.94E10 to determine counts per minute (cpm).

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.9

State of Ohio Field Team Data Silver Zeolite Cartridge -  
Net Counts for 1 Minute (I-131)

DOWNWIND DISTANCE (Miles)

TIME	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
1235										
1245	7.72E+03	7.13E+03								
1300	7.72E+04	7.13E+04	5.94E+03	5.52E+03	4.99E+03					
1315	7.72E+04	7.13E+04	6.53E+04	5.23E+04	4.75E+04	4.22E+04	3.50E+03	3.03E+03		
1330	7.72E+04	7.13E+04	6.53E+04	5.94E+04	4.81E+04	4.28E+04	3.74E+04	2.79E+04	2.32E+04	1.90E+04
1345	7.72E+03	7.13E+03	6.53E+03	5.94E+03	5.17E+04	4.63E+04	4.04E+04	3.45E+04	2.61E+04	2.08E+04
1400					5.52E+03	4.87E+03	4.28E+03	3.68E+03	3.03E+04	2.44E+04
1415									3.21E+03	
1430										
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.
- 4) If no data is provided, assume BKGD levels.
- 5) Iodine Cartridge Data:
  - Air sample flow rate = 60L/min
  - Probe efficiency = 10%
  - Sample run time = 5 minutes
- 6) Concentrations from Table 8.6.6 multiplied by a conversion factor of 5.94E10 to determine counts per minute (cpm).

## 2000 PERRY EVALUATED EXERCISE

Table 8.6.9 (Cont.)

State of Ohio Field Team Data Silver Zeolite Cartridge -  
Net Counts for 1 Minute (I-131)

DOWNWIND DISTANCE (Miles)

TIME	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1235										
1245										
1300										
1315										
1330										
1345	1.96E+04	1.90E+04	1.54E+04	1.43E+04	1.37E+04					
1400	2.26E+04	2.14E+04	2.02E+04	1.66E+04	1.54E+04	1.43E+04	1.13E+04	1.07E+04	9.50E+03	
1415			1.13E+04	1.90E+04	1.78E+04	1.66E+04	1.54E+04	1.25E+04	1.13E+04	1.01E+04
1430								7.72E+03	1.25E+04	1.13E+04
1445										

NOTES:

- 1) All values represent plume centerline readings.
- 2) For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
- 3) The value at the plume edge equals 1% of the centerline readings.
- 4) If no data is provided, assume BKGD levels.
- 5) Iodine Cartridge Data:
  - Air sample flow rate = 60L/min
  - Probe efficiency = 10%
  - Sample run time = 5 minutes
- 6) Concentrations from Table 8.6.6 multiplied by a conversion factor of 5.94E10 to determine counts per minute (cpm).

## 2000 PERRY EVALUATED EXERCISE

### 9.0 MINI-SCENARIOS

This section contains summaries for following system and equipment casualties. Each scenario outlines the indications, cause, and postulated response for each casualty postulated in the Initial Conditions (Section 6.1) and Perry Plant Sequence of Events (Section 6.2).

<u>Mini-Scenario Title</u>	<u>Page No.</u>
1. Repairs to Safety-Related Instrument Air Header 'B' Isolation Valve, 1P57-F015B (Initial Condition)	9.0-1
2. Preventive Maintenance on Standby Liquid Control (SLC) 'A' Pump, 1C41-C001A [Initial Condition]	9.0-7
3. Failure of Residual Heat Removal (RHR) 'B' Pump Minimum Flow Valve, 1E12-F064B	9.0-12
4. Fire in RHR 'A' Pump Room, 1E12-C001A	9.0-16
5. Radiologically Contaminated Injury	9.0-22
5A. Sabotage in a Plant Vital Area	9.0-28
6. Rod Control and Information System (RC&IS) Rod Block	9.0-30
7. Loss of power to Control Room Annunciators	9.0-34
8. Failure of SLC 'B' Pump, 1C41-C001B, to Start	9.0-36
9. Failure of Reactor Core Isolation Cooling (RCIC) Steam Supply Inboard Valve, 1E51-F063, to Close	9.0-39
10. Motor Feed Pump (MFP), 1N27-C004, Trip	9.0-44

Each mini-scenario contains the following sections as applicable:

- Approximate Time(s)
- Location(s)
- Required Set-up
- Event Summary
- Postulated Sequence of Events
- References
- Attachments

While designed to allow for free play by participants, each mini-scenario is also an integral part of the overall sequence of exercise events. Therefore, controllers may make adjustments as noted to ensure the exercise scope and time line remain within established parameters.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 1**

Mini-Scenario No. 1

Repairs to Safety-Related Instrument Air Header 'B' Isolation Valve, 1P57-F015B

**APPROXIMATE TIME:** Initial Condition

**LOCATION:** Actual - 620' elevation, Auxiliary Building (AXC/08-620)

**REQUIRED SET-UP:**

1. Valve mockup pre-positioned.
2. Work Order Package
3. Clearance Package
4. Active LCO (12 hour LCO per TS 3.5.1)
5. Active LCO (12 hour LCO per TS 3.3.6.1)
6. Potential LCO (TS 3.4.4)

**EVENT SUMMARY:** Header 'B' of the Safety-Related Instrument Air System (P57) was isolated and tagged out at 0500 hours today as part of a planned system outage to effect repairs to Containment Penetration valve, 1P57-F015B, which has a severe packing leak. Valve inspection revealed a leaking diaphragm and packing. Design Engineering is dispositioning a use-as-is NCC-CR due by 0900 to tighten packing to reduce the leak.

A temporary air supply has been installed in Containment on test connection valve 1P57-F526B, per temporary modification #XXXX, as a reserve to make-up for expected header leakage. The valve 1P57-F0015B is tagged out as an initial condition. The header is expected to be returned to service by 1000 hours.

**NOTE:** The purpose of the P57 System is to supply compressed air to the Automatic Depressurization System (ADS) safety relief valve accumulators and non-ADS SRV B21-F051D. Of the eight ADS SRVs, four SRVs are supplied from the 'A' Header, including non-ADS SRV 1B21-F051D, and four SRVs from the 'B' Header.

Refer to Attachment 1 for a simplified drawing of the Safety-Related Instrument Air (P57) System. A more detailed layout is available on plant drawing D-302-271.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 1**

**POSTULATED SEQUENCE OF EVENTS**

1. The Design Engineer dispositioned the CR by recommending that the packing be tightened and no MOVATS testing be done due to large margin, and that further inspection be performed as part of Refueling Outage (RFO) No. 8. Valve repairs should commence on a risk basis while the CR is being routed for disposition. An Operability determination / 10CFR 50.59 Engineering Management approval is required
2. SVI-P57-T9119 has been revised to allow performance of the LLRT in Modes 1, 2 &3.
3. At 1015 hours, the 'A' Header is depressurized due to a weld failure in Containment. ADS capability is now limited to the pressure available in the SRV accumulators.

NOTE: These accumulators ensure an adequate air supply in the event of a P57 system failure. The accumulator capacity is sufficient to provide two valve actuations during Loss of Coolant Accident (LOCA) conditions.

4. Efforts to reassemble 1P57-F015B valve and restore the 'B' Header should be expedited. Consideration should be given toward supplying air pressure to the ADS/SRV accumulators via one of the test connections in Containment. However, at approximately 1050 hours, access to Containment will be restricted due to a low power Anticipated Transient Without a Scram (ATWS).

Tighten Packing. On opening valve electronically, it trips on overload relay and/or fuses due to over-torque of packing gland, causing stem binding. Controller to adjust scenario as required to fit the timeline. Repair MCC bucket, readjust packing to loosen it up. Manual operation of valve not possible, due to MOV jamming stem in place or broken shaft key.

5. **At approximately 1315 hours**, reassembly of the 1P57-F015B valve is completed.

Controllers must allow sufficient time to clear tagout and realign the system. The status of repairs activities must also be clearly communicated to the Simulator Driver by OSC controllers.



## 2000 PERRY EVALUATED EXERCISE

### Mini-Scenario No. 1

6. At 1335 hours, the 'B' Header is returned to service and ADS is initiated to depressurize the Reactor Pressure Vessel (RPV) per Plant Emergency Instruction (PEI) B13, RPV Control (ATWS).

#### REFERENCES:

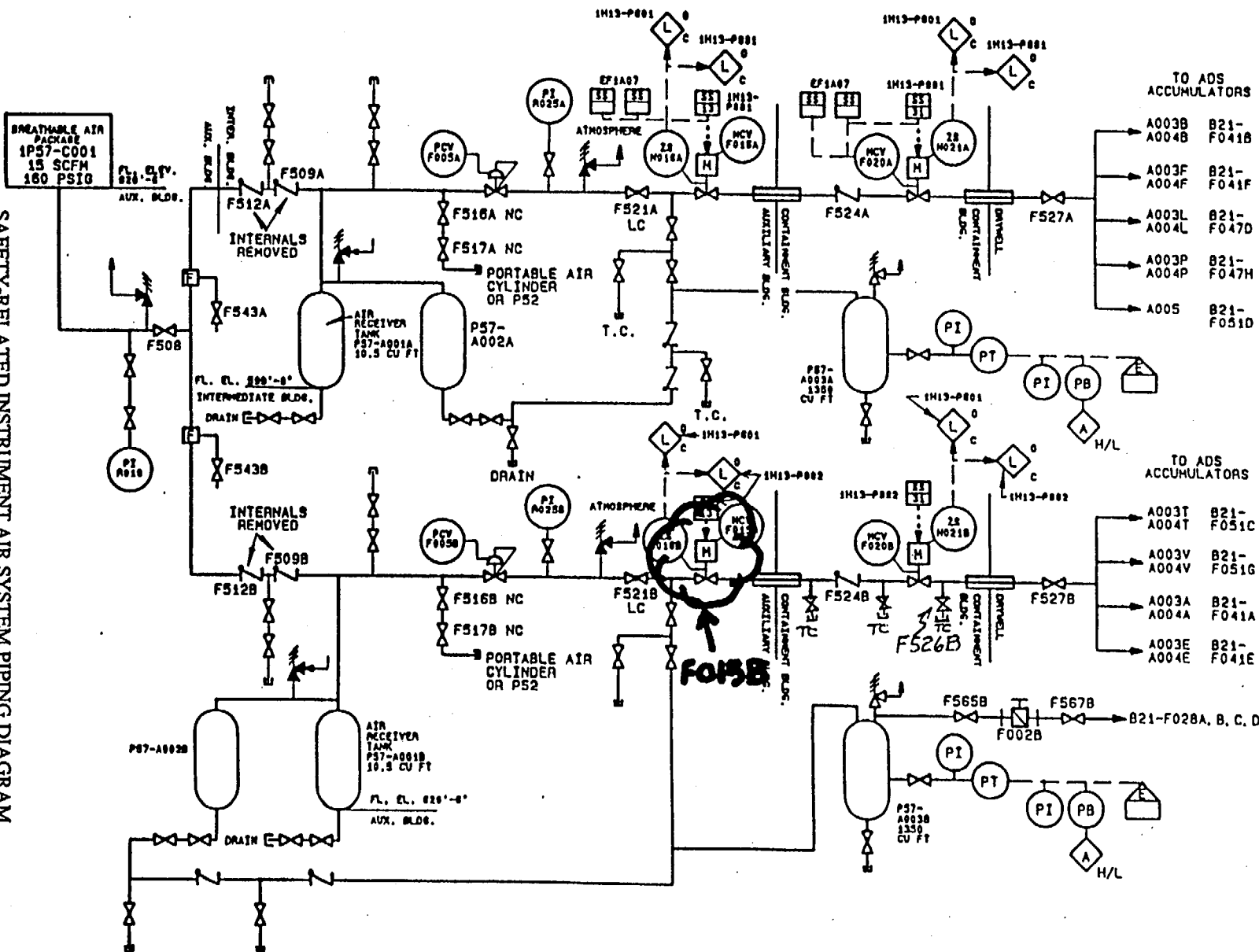
- System Design Manual (SDM) P57, "Safety-Related Instrument Air System"
- Plant Drawing D-302-271 (system piping diagram)
- Plant Drawing 4549-40-1048 (Sheet 3)

#### ATTACHMENTS:

1. SDM-P57 System Diagram
2. CR documenting 1P57-F015B packing leak
3. 1P57-F015B Valve Assembly

2000 PERRY EVALUATED EXERCISE

Mini-Scenario No. 1



SAFETY-RELATED INSTRUMENT AIR SYSTEM PIPING DIAGRAM

Mini-Scenario No. 1  
Attachment 1

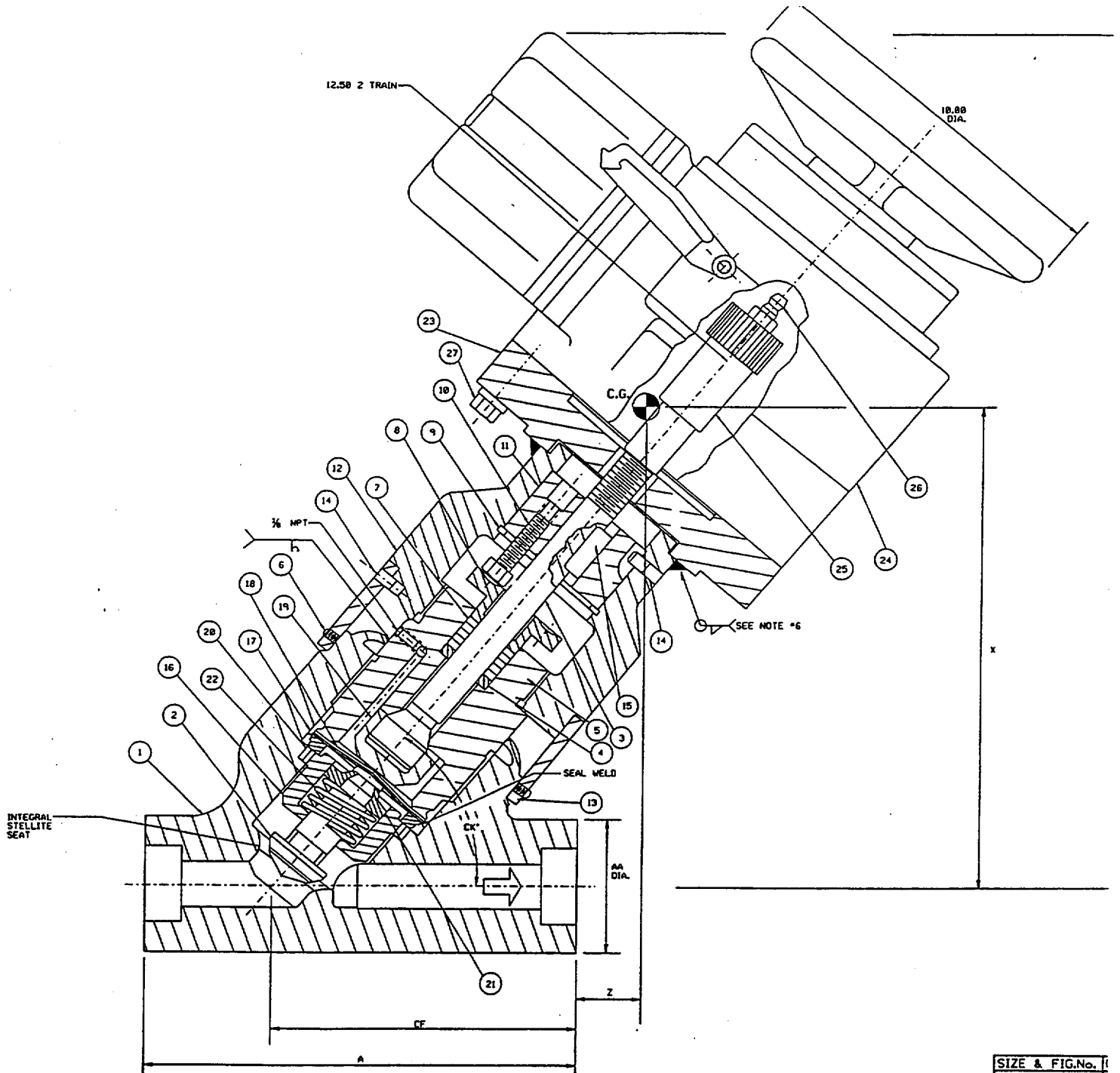
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SECT. 9.0-4

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 1**

**Mini-Scenario No. 1**  
**Attachment 2**

**2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 1**



1P57-F015B VALVE ASSEMBLY

Mini-Scenario No. 1  
Attachment 3

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 2**

Preventive Maintenance on Standby Liquid Control (SLC) 'A' Pump, 1C41-C001A

**APPROXIMATE TIME:** Initial Condition

**LOCATION:** Actual - 642' elevation, Containment (C 0/642)

**REQUIRED SET-UP:**

1. Prestaged oil sample with water.
2. Work Order Package
3. Tagout (MPL #: 1C41-C0001A)
4. Active LCO (7 day LCO per TS 3.1.7)

**EVENT SUMMARY:** During third shift, Repetitive Task No. 1C41C0001A File 1 (Attachment 1) was initiated to replace the crankcase and gearbox oil and lubricate SLC 'A' Pump. Upon draining pump oil, the sample taken for Chemistry analysis appears to contain water. A CR (Attachment 2) was written and forwarded to the Control Room during shift turnover.

At the start of the exercise, the SLC 'A' Pump is tagged out and work has been suspended awaiting engineering evaluation. No oil is present in the pump crankcase or gearbox. The work area has been cleared due to material accountability concerns inside Containment.

SLC 'B' Pump, 1C41-C001B, is operable.

**POSTULATED SEQUENCE OF EVENTS:**

1. Upon receiving the CR during crew turnover, the Control Room Shift Supervisor will complete the Control Room portion of the CR form per PAP-1608, "Corrective Action Program", and contact the RSE or designated engineering support to identify the source of the water in leakage into the pump crankcase.
2. Any initial efforts following turnover to inspect the SLC 'A' Pump or to flush the pump and replace the oil should be suspended at 0720 hours when personnel are directed to exit Containment due to a stuck open SRV.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 2**

3. Further efforts to evaluate and restore the SLC 'A' Pump should be suspended due to changing plant priorities until an ATWS and subsequent failure of SLC 'B' Pump to start (Mini-Scenario No. 8) occurs at approximately 1050. With the loss of both SLC pumps, Operators should line up for alternate boron injection per PEI: Special Plant Instruction (SPI) 1.8.

NOTE: Alternate boron injection into the RPV is performed via the High Pressure Core Spray (HPCS) flush connection 1E22-F031 using the SLC Transfer System and the Alternate Boron Injection Pump. The estimated time to line-up and initiate alternate boron injection is approximately 4 hours.

Players will be allowed to perform PEI SPI-1.8 actions to line-up for alternate boron injection. However, efforts can NOT be successful until after the SLC 'B' Pump is restored to service at approximately 1320 hours since the Simulator does NOT model alternate boron injection. If required, controllers will interject a problem with installing the ABI connection assembly end of the high-pressure hose to the HPCS flush connection.

4. If after evaluation of ALARA concerns, a decision is made to enter Containment to replace the oil in SLC 'A' Pump, the pump will start but mechanically seize after approximately 5 minutes. (Ensure this is communicated to the Simulator Controller)

No further action to enter Containment should be considered following the Motor Feed Pump (MFP) trip (Mini-Scenario No. 10) and subsequent RPV level inventory loss at 1225 hours.

**REFERENCES:**

- PEI:SPI-1.8, "Alternate Boron Injection"
- Plant Drawing D-302-692, "SLC Transfer System"
- Plant Drawing D-302-701, "HPCS"

**ATTACHMENTS:**

1. Repetitive Task No. 1C41C0001A File 1
2. CR Form (documenting sample contamination)

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 2**

**Mini-Scenario No. 2**  
**Attachment 1 (Sheet 1 of 2)**

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 2**

**Mini-Scenario No. 2**  
**Attachment 1 (Sheet 2 of 2)**



**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 2**

**Mini-Scenario No. 2**  
**Attachment 2**

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 3**

Residual Heat Removal (RHR) Minimum Flow Valve, 1E12-F064B

**APPROXIMATE TIME:** Approximately 0725 hours

**LOCATION:** Actual - 574' elevation, Auxiliary Building (AXC/03-574)

**REQUIRED SET-UP:**

1. Mockup pre-positioned simulating a 4" motor-operated gate valve.

**NOTE: Ensure mock-up is set up in area of low background radiation.**

**EVENT SUMMARY:** RHR 'B' Minimum Flow Valve, 1E12-F064B, fails to fully closed when the RHR 'B' Loop is placed in Suppression Pool Cooling Mode in response to an SRV inadvertently opening. Flow is reduced to the RHR 'B' Heat Exchanger, which in turn reduces cooling for the Suppression Pool (Attachment 1).

**POSTULATED SEQUENCE OF EVENTS:**

1. When an Operator attempts to realign the RHR 'B' Loop into Suppression Pool Cooling Mode per System Operating Instruction (SOI) E12, the OPEN position indicator light on panel 1H13-P680 for the 1E12-F064B valve will extinguish, but the CLOSED position light does NOT illuminate.
2. A Perry Plant Operator (PPO) should be dispatched to the 1E12-F064B valve, and upon close inspection, will observe that the packing gland is cocked, thus mechanically binding the valve and preventing valve stem movement.

This will cause the torque switch to interrupt the control circuitry as if the valve were closed (Attachment 2).
--

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 3**

3. The Control Room may direct PPO to close manual isolation valve 1E12-F018B, thus increasing flow to the RHR 'B' Heat Exchanger.

Operator action to close the 1E12-F018B valve would result in a loss of minimum flow protection.

If 1E12-F018B is closed, controller must report action immediately to Simulator Driver.

4. An OSC team will be dispatched to relax the gland nuts and realign the packing gland on the 1E12-F064B valve. However, upon further inspection the team members note that the packing gland has gouged into the stem causing a visible burr on the stem.

This can be corrected with a file and emery cloth after the packing gland is straightened and tightened. The 1E12-F064B valve can then be stroked closed either manually or with the normal control circuitry.

**The 1E12-F064B valve should be restored at 0950, but can be closed as early as 0930 hours.**

If it is necessary to slow the progress of this evolution, workers will observe fluid leaking around the packing gland. This should result in increased radiological controls being imposed at the work site.

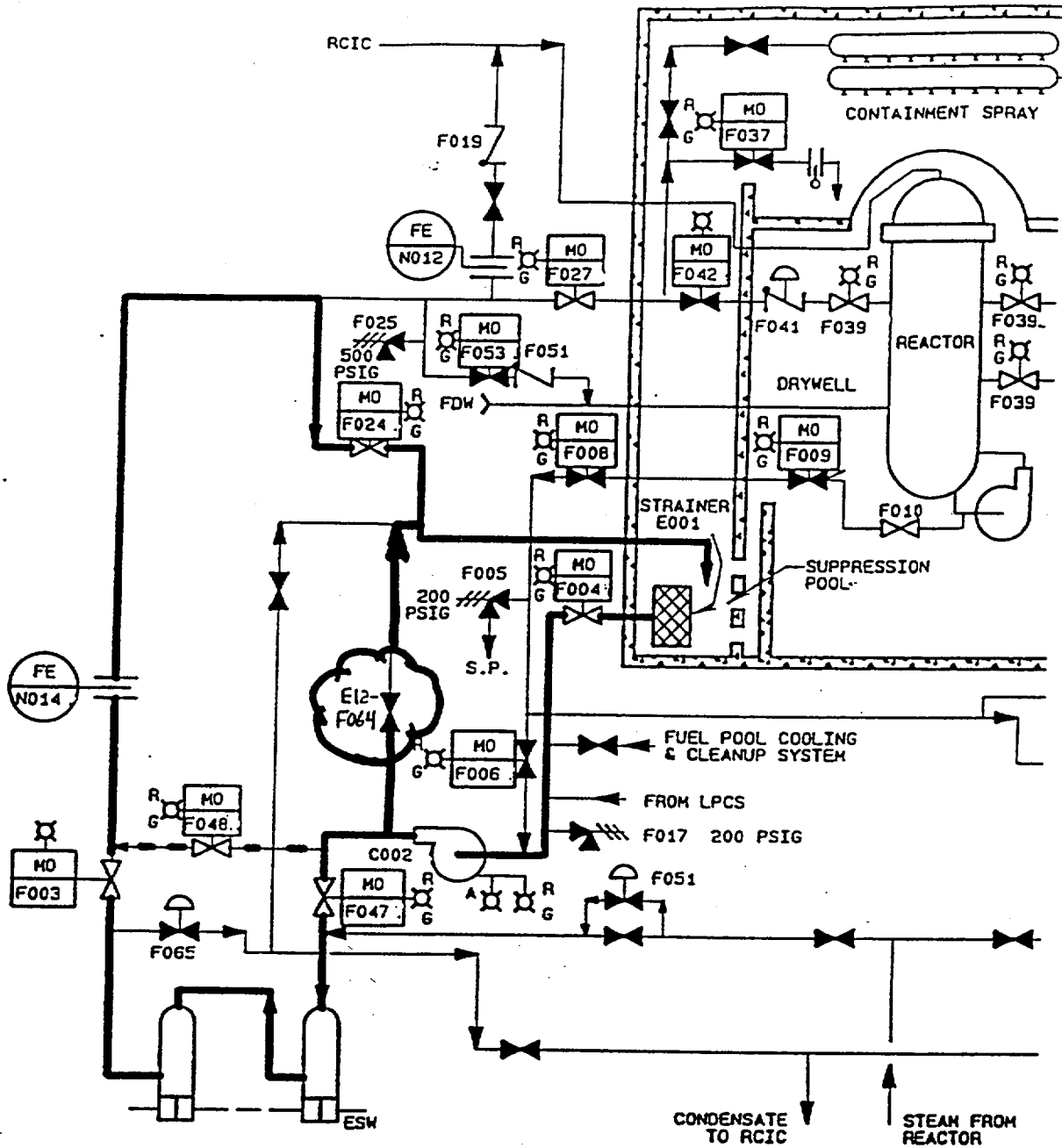
**REFERENCES:**

- SOI-E12, "Residual Heat Removal System (Unit 1)"
- Plant Drawing D-208-055 (Sheet A39)
- Plant Drawing D-302-643
- System Design Manual (SDM) E12, "Residual Heat Removal System"

**ATTACHMENTS:**

1. Suppression Pool Cooling Flowpath (SDM Figure E12-4)
2. RHR Pump Minimum Flow Valve Control Circuitry (SDM Figure E12-23)

2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 3



SUPPRESSION POOL COOLING FLOWPATH

Mini-Scenario No. 3  
Attachment 1



**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 4**

Fire in RHR 'A' Pump Room, 1E12-C001A

**APPROXIMATE TIME:** 0750 hours

**LOCATION:** Actual - 574' elevation, Auxiliary Building -  
RHR 'A' Pump Room (Room 3)

**REQUIRED SET-UP:**

1. Materials prestaged in RHR 'A' Pump Room.

**EVENT SUMMARY:** The Control Room receives a call from a Maintenance Planner who discovered an injured individual outside of RHR "A" pump room. He states that the individual is a System Engineer who has lacerated his left forearm on scaffolding erected inside the RHR "A" pump room, and he also smells a strong odor of smoke in the area. This is immediately followed by SAS receiving multiple smoke detector alarms from Smoke Detector Panel 1H51-P0929, SAS Address 911.01. SAS notifies the Control Room of the probable fire event and the Control Room requests SAS to tone out the first-aid team / fire brigade and notify Perry Township Fire Dept. per PAP-1911 and EPI-B004. SAS Tones out the first-aid team / fire brigade, dispatches a first responder, and notifies Central Communications (911) to request Perry Township Fire Department. Upon arrival of the first responder on scene, he observes the injured individual at the north/west portion of AUX 574' holding his arm. When the first responder arrives at the RHR "A" pump room, he observes heavy smoke conditions inside the pump room and paint blistering on the inner water tight door. The first responder relays his findings to the SAS / Control Room.

The System Engineer is contaminated and injured (Mini-Scenario No. 5) but is able to exit the room with out assistance.

**POSTULATED SEQUENCE OF EVENTS:**

1. The Secondary Alarm Station (SAS) receives the following smoke detector alarms:

**"911.01 AL FIR 9-SD'S: FOR E. RHR RMS. ALL LVLS AUX-1 SDP  
P929 IB620 D-2"**

A first responder is dispatched by SAS to investigate, and the Fire Brigade/First-Aid Team are "toned out" per PAP-1911 and EPI-B004.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 4**

2. Operators received and acknowledge the following annunciators on panel 1H13-P601:

**AMB TEMP HIGH P632** (greater than 120 °F)

**RHR EQUIP AREA DIFF TEMP HIGH P632** ( $\Delta T$  greater than 20 °F)

Recorder/meter E31-N610AT indicates a room temperature of 145F.

RHR 'A' Room ambient and differential temperatures will remain below 153 °F and 49 °F respectively to preclude an automatic RHR and RCIC isolation.

3. The Control Room receives a call from a Maintenance Planner who discovered an injured individual outside of RHR "A" pump room. He states that the individual is a System Engineer who lacerated his right arm on scaffolding erected inside RHR "A" pump room, and he also smells a strong odor of smoke in the area.

If NOT secured by 0753 hours, the RHR 'A' Pump will trip.

4. When the first responder arrives at the RHR "A" pump room, he observes heavy smoke conditions inside the pump room and paint blistering on the inner water tight door. The first responder relays his findings to the SAS / Control Room.
5. Perry Township Fire Department (PTFD) is notified per PAP-1911 by the SAS. Upon arrival at the Primary Access Control Point (PACP), PTFD vehicles and personnel will be processed into the Protected Area per Security Posting Instruction (SPI) 0010 and issued dosimetry per Emergency Plan Implementing Instruction (EPI) B11.

PTFD personnel will be allowed in limited numbers to respond to the fire scene.

6. The Fire Brigade will mobilize and combat the fire per PAP-1911. While combating the fire, the RHR 'A' Pump and surrounding area will be hosed down.

**CAUTION**

Drill play within the RHR 'A' Pump Room will be strictly controlled and limited to spaces well outside of posted radiologically contaminated areas.

7. During the post-fire damage assessment, no physical damage to the RHR 'A' Pump will be observed. However, pump motor internals are wet, as a result of hose spray.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 4**

8. The TSC, once operational, should coordinate efforts to dry and megger the pump motor.

Efforts to restore the RHR 'A' Pump can be successful after 0945 hours. Any attempt to start the RHR 'A' Pump prior to 0945 hours will result in a pump trip.

**REFERENCES:**

- PAP-1911, "Fire Emergencies"
- Prefire Plan Instruction (FPI) 1AB, "Auxiliary Building Unit 1"
- SPI-0010, "Vehicle Access"
- EPI-B11, "Emergency Dosimetry Issue"
- EPI-B004 First-Aid and Medical Care

**ATTACHMENTS:**

1. FPI-1AB: Unit 1 RHR 'A' System, 574' elevation
2. Radiological Survey Report



# 2000 PERRY EVALUATED EXERCISE

## Mini-Scenario No. 4

PNPP No. 8282-7  
PAP-1922

UNIT 1 - RHR A SYSTEM  
574' - 10" ELEVATION

OM17B: FPI-1AB  
PAGE : 3  
REV. : 0

**FIRE ZONE** 1AB-1B

### SAFE SHUTDOWN EQUIPMENT/CIRCUITS

THIS FIRE ZONE CONTAINS COMPONENTS AND CIRCUITS FOR METHOD A SYSTEMS AND ONLY CIRCUITS FOR METHOD B SYSTEMS. FOR A FIRE IN THIS ZONE SAFE SHUTDOWN COULD BE ACHIEVED UTILIZING METHOD B SYSTEMS AND EQUIPMENT. METHOD B CONDUITS HAVE BEEN WRAPPED WITH A 1 HOUR RATED FIRE BARRIER.

#### METHOD A2 COMPONENTS FOR LPCS LOCATED IN THIS FIRE ZONE

COMPONENTS	1E21-F005	INJECTION VALVE (OUTBOARD ISOLATION)
	1E21-F011	MINIMUM RETURN FLOW VALVE TO SUPPRESSION POOL
	1E21-F012	FULL FLOW BYPASS TEST VALVE

#### METHOD A2 CIRCUITS FOR LPCS ADS

1E21C4A	1E21F2A	1E21F5A	1E21C9A	1E21F3A
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#### CONTAINED IN CONDUITS AND TRAYS:

1R33F84A	1R33F56A	1R33F55A	1R33F189A	691	656
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FIRE DAMAGE OR DAMAGE RESULTING FROM SUPPRESSION ACTIVITIES TO CIRCUITS FOR METHOD B WOULD NOT PREVENT SAFE SHUTDOWN. CIRCUITS FOR RHR VALVES 1E12-F040 AND 1B21-F065B ARE ONLY NEEDED FOR SHUTDOWN COOLING OPERATION OF RHR AND COULD BE MANUALLY OPERATED. PLANT PROCEDURE ONI-P54 DESCRIBES OPERATION. REMAINING CIRCUIT FOR METHOD B SYSTEMS SERVING THE AIR SYSTEM VALVE 1P57-F015B, LOCATED IN CONDUITS 1P57F2B AND 1R33F1051B IS WRAPPED IN A ONE-HOUR FIRE RATED ENCLOSURE THROUGHOUT THE ZONE.

# SAMPLE

## HAZARDS

### FLAMMABLE-COMBUSTIBLE GASSES/LIQUIDS

LUBRICATING OIL 50 GAL.  
VALVE OPERATING GREASE 21 LBS.

### ELECTRICAL

480 VOLT POWER AND CONTROL CABLE  
4160 VOLT POWER

### ORDINARY COMBUSTIBLE

MOTOR WINDING INSULATION  
CABLE INSULATION

### RADIOLOGICAL

RADIATION AREA  
CONTAMINATED AREA UNDER FLOOR GRATING

## SUPPRESSION

### SUPPRESSION EQUIPMENT

	MPL	LOCATION
2 - ABC EXTING.	1P54-D7107M	AXB-04
	1P54-D7108M	AXC-09
2 - MANUAL WATER HOSE REELS	1P54-D719	AXC-09
	1P54-D5263	AXA-07
	1P54-D5264	AXA-03
	1P54-D722	AXC-01

### DETECTION

SMOKE DETECTORS  
1H51-P929, PANEL LOCATED 1B-620

### RECOMMENDED COMMAND POST

1B-620  
DOOR 1B-301

### RECOMMENDED MUSTER POINT

1B-620  
DOOR 1B-301

CAUTION

STEEL GRATED FLOORS

UNPROTECTED OPENING ON THE EAST WALL AT 620' ELEV. EXPOSES  
AREA 1AB-3A TO THE FIRE.

### RECOMMENDED DOOR ACCESS

PRIMARY - 599' CC TO 1B DOWN STAIRWAY TO  
574' 1B THROUGH 1B-101 ENTER  
AX-207  
ALTERNATE - AX-406 TO STAIRWAY DOWN TO 568  
AX THROUGH AX-101 ENTER  
AX-207

### COMMUNICATION

	MPL	LOCATION
GAITRONICS	1R51-H091	AXA-08
	1R51-H092	AXB-08
	1R51-H094	AXB-05
	1R51-H250	AXD-08

### RESTRICTED RADIO AREA

AREA OF 574' WEST SIDE  
WITHIN 15 FT. OF PANEL

### VENTILATION

1M38-C001 A & B - SUPPLY  
ACTIVATION OF DUCT MOUNTED SMOKE  
DETECTOR WILL SHUT DOWN M38 SUPPLY FAN.  
EXHAUST FANS WILL STILL BE OPERABLE.  
1M38-C002 A & B - EXHAUST  
1M39-B001A - PUMP ROOM COOLER

Mini-Scenario No.  
Attachment 1 (Sheet 1 of

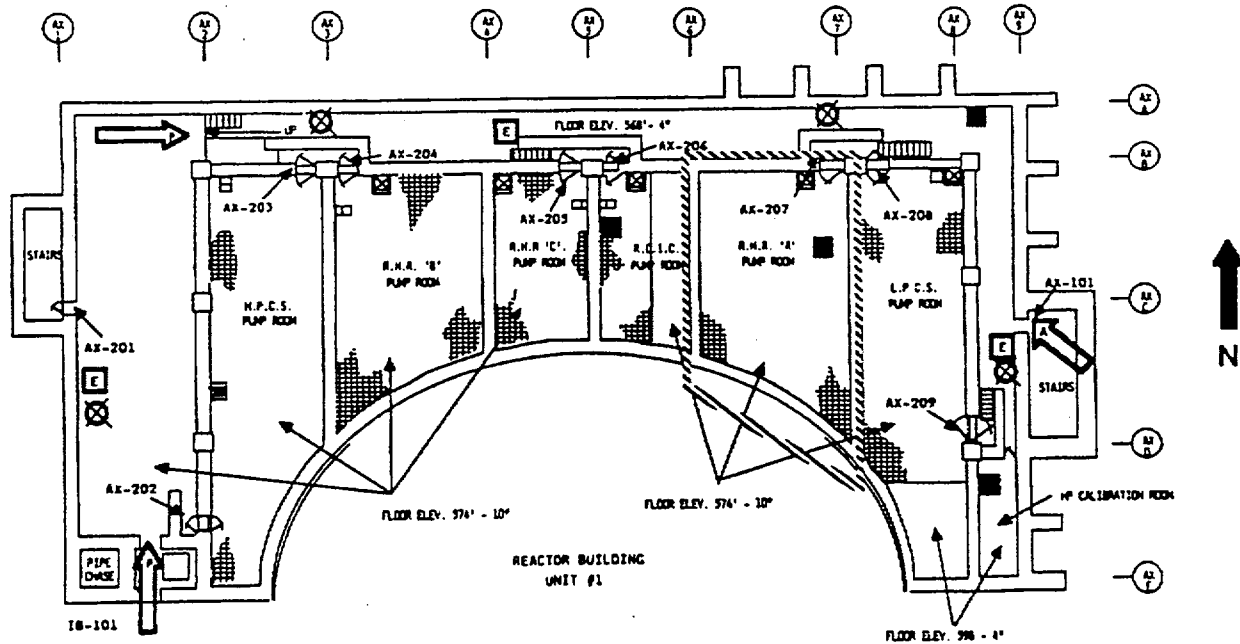
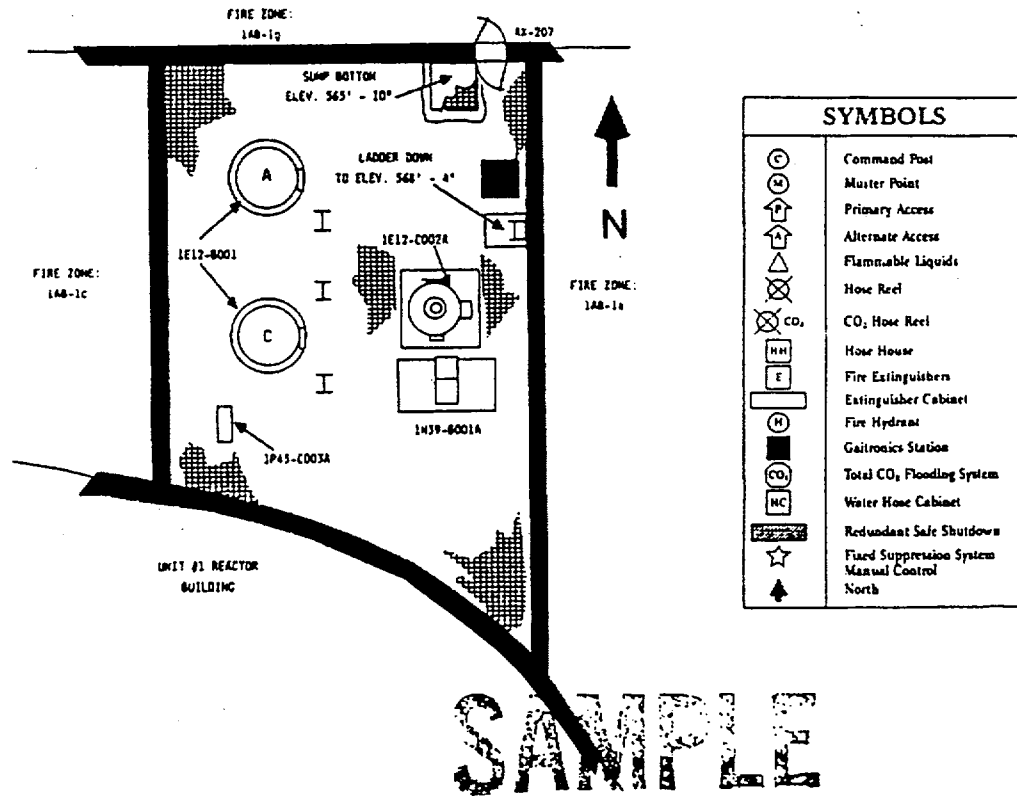
# 2000 PERRY EVALUATED EXERCISE

## Mini-Scenario No. 4

FNPP No. 8282-7  
PAP-1922

UNIT 1 - RHR A SYSTEM  
574' - 10" ELEVATION

OM17B: FPI-IAB  
Page : 4  
Rev. : 0



Mini-Scenario No. 4  
Attachment 1 (Sheet 2 of 2)

**2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 4**

**RADIOLOGICAL SURVEY REPORT**

SURVEY No. \_\_\_\_\_  
HPI-L2

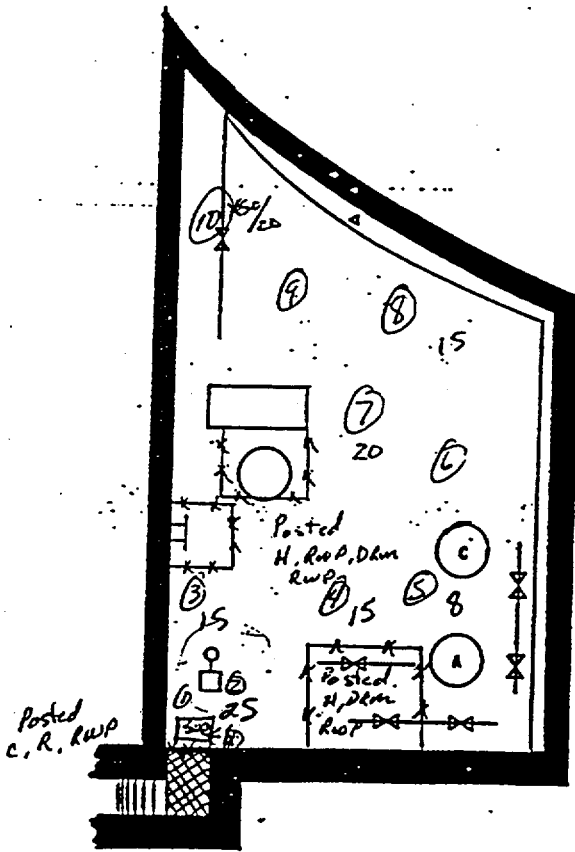
\*NPP No. 7247 Rev. 9/93

INSTRUMENT	MPL #	CAL DUE	RWP No.	DATE	TIME
INSTRUMENT	MPL #	CAL DUE	AREA		
INSTRUMENT	MPL #	CAL DUE	PURPOSE		
INSTRUMENT	MPL #	CAL DUE			

REACTOR POWER _____ %	AIR SAMPLE No. 1 P _____ $\mu\text{Ci/cc}$ C _____ $\mu\text{Ci/cc}$	AIR SAMPLE No. 2 P _____ $\mu\text{Ci/cc}$ C _____ $\mu\text{Ci/cc}$
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CHECK BLOCK IF SURVEY OF A SPILL AREA

**A 57403**



**CONTAMINATION RESULTS  
IN dpm/100 cm<sup>2</sup>**

No.	SMAR LOCATION	BETA-GAMMA	ALPHA
1	floor	5K	
2		6K	
3		3K	
4		3K	
5		2K	
6		2K	
7		3K	
8		4K	
9		4K	
10	floor	6K	
11	SOP	<1K	
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

All general area doserates as read.

(Dose rates are in mrem/hr at approx. 3' above the floor unless otherwise noted.)

SURVEY BY (Printed)	SURVEY BY (Signature)	REVIEWED BY	DATE
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Mini-Scenario No. 4  
Attachment 2

2000 PERRY EVALUATED EXERCISE

Mini-Scenario No. 5

Radiologically Contaminated Injury

**APPROXIMATE TIME:** 0750 hours

**LOCATION:** Actual - 574' elevation, Auxiliary Building -  
RHR 'A' Pump Room (Room 3)

**REQUIRED SET-UP:**

1. Moulage to simulate postulated injuries.

**EVENT SUMMARY:** The Control Room receives a call from a Maintenance Planner who discovered an injured individual outside RHR "A" pump room. He states that the individual is a System Engineer who has lacerated his left forearm on scaffolding erected inside RHR "A" pump room, The System Engineer suffers a 4" laceration to the back of his left forearm while attempting to impede his fall and a bruise to his left knee (Attachment 1).

The System Engineer is able to exit the RHR 'A' Pump Room and secure the water tight door without assistance.

**POSTULATED SEQUENCE OF EVENTS:**

1. The Maintenance Planner discovers the injured System Engineer in the 574' AX Hallway outside the RHR 'A' Pump Room. The Maintenance Planner should assist the injured victim to the 574' AX west side access area and request the Control Room to dispatch the First Aid Team (FAT).

The victim may be moved at the discretion of the FAT to prevent from interfering with fire response.

Per EPI-B4, the SAS should perform the following:

- Notify the Radiologically Restricted Area (RRA) Control Point to verify that a Health Physics Technician has been dispatched to the injury scene.
- Notify Lake East Hospital and advise them of an injury requiring offsite medical treatment, and the victim's radiological status when known.

2000 PERRY EVALUATED EXERCISE

2. Upon arrival, the FAT should ascertain the condition of the victim and will determine or observe the following:
  - A 4" full thickness laceration to the left forearm,
  - Vital signs: Pulse 102  
Skin warm and dry  
Pupils equal and reactive  
B/P 130/82  
Respirations 28 and regular
3. The FAT should immediately cut away the torn clothing from the victim's left forearm and apply a dressing to the laceration to stop the bleeding.

Continuous pressure on the laceration is needed to stop the bleeding.

Clothing should be torn or cut away from the laceration before applying a dressing to prevent contamination from being introduced into the wound.

4. Health Physics technicians at the scene should determine the extent of contamination to the victim and the immediate vicinity. (Refer to Attachment 1 for Personnel Contamination Survey results.)
5. Health Physics may attempt to partially decontaminate the victim by removing his clothing. However, due to the severity of the forearm laceration transportation of the victim to Lake East Hospital and later decontamination of the wound will be required.
6. The FAT should transport the victim to the RRA Control Point where he will be transferred to PTFD ambulance personnel. Available Health Physics Technicians should assist in the dress out of the PTFD ambulance and personnel per EPI-B4.

Since the injury is NOT potentially life threatening and in response to the fire emergency, PTFD will be held up at the RRA access point.

2000 PERRY EVALUATED EXERCISE

7. A Health Physics Technician will accompany the victim to Lake East Hospital in Painesville, OH to monitor for potential contamination spread and to assist, if requested, in decontaminating the victim. A second Health Physics Technician or Supervisor will be dispatched to Lake East Hospital per EPI-B4 to assist in monitoring and releasing the PTFD ambulance vehicle and personnel, Emergency Room treatment area and equipment, and Emergency Room staff.

Refer to Section 11.2 for further details under the Lake County Medical Services Drill.

**REFERENCES:**

- EPI-B4, "First Aid and Medical Care"

**ATTACHMENTS:**

1. Personnel Survey Report

**2000 PERRY EVALUATED EXERCISE**

**Mini-Scenario No. 5**

**Mini-Scenario No. 5 Attachment 1**

**PERSONNEL CONTAMINATION SURVEY**

PNPP No. 6838 Rev. 3/1/99

HPI-E0007

<b>EVENT DETAILS</b> (Normally, this form is utilized for contaminations ≥6000 ccpm)					Control Point Location:	
Affected Individual:(Last, First, MI)			Social Security #		Follow Up Survey #: <input type="checkbox"/> N/A (attach copy)	
Supervisor/Mail Zone/Phone #:			Dept:	Company:	Section:	Unit:
Work Location:			AREA: <input type="checkbox"/> Contam <input type="checkbox"/> Clean		RWP#	<input type="checkbox"/> TRRA Anticipated <input type="checkbox"/> Unplanned
Work Description:						
Contamination Type: <input type="checkbox"/> Particle <input type="checkbox"/> General <input type="checkbox"/> MCA Attached						
Contamination Location: <input type="checkbox"/> Skin <input type="checkbox"/> Clothing <input type="checkbox"/> Shoe Bottom <input type="checkbox"/> Modesty						
Individuals Account of Occurrence, (include method of discovery):						
Signature:					Date:	
RP Technician Review of Occurrence, (follow up actions):						
Probable Cause Code (see back of page):				CR Number: <input type="checkbox"/> N/A		
RPT (print)		RPT (sign)			Date:	
<b>DECON/INITIAL DOSE EVALUATION</b> <input type="checkbox"/> N/A				Ion Chamber: Open Window _____ (mrad/h) Closed Window _____ (mrem/h)		
Body Location	Size	Pre-Decon (ccpm)*	Shielded ccpm if applicable	Post-Decon (ccpm)	Decon Method	# of Decon Attempts
<i>Left Forearm</i>	<i>Approx. 4" long</i>	<i>600</i>	<input type="checkbox"/> N/A	<i>300/150/&lt;100</i>		<i>3</i>
<i>Clothing on right leg (calf)</i>		<i>300</i>	<input type="checkbox"/> N/A			
<i>Skin under clothing (calf)</i>		<i>&lt;100</i>	<input type="checkbox"/> N/A			
Instrument	MPL #L70-	Cal Due Date	Instrument	MPL #L70-	Cal Due Date	
Date/Time of Contamination		Date/Time of Decontamination:		Estimated Residency Duration (hrs):		
Deposition:						
Initial Skin Dose Evaluation: _____ (shielded) ccpm x _____ hours = _____ ccpm-hours						
RPS Supv. Notified (≥30,000 ccpm-hours) <input type="checkbox"/> Yes <input type="checkbox"/> No				Whole Body Count Performed <input type="checkbox"/> Yes <input type="checkbox"/> No		
RPT (Print):		RPT(Sign):			Date:	
RPS Supervisor Review and Recommendations:						
RPS Supv.(Print):		RPS Supv.(Sign):			Date:	
SDE Complete <input type="checkbox"/> Yes <input type="checkbox"/> N/A      Trending <input type="checkbox"/> Yes <input type="checkbox"/> No      RP Trending Personnel Initial:						

\* Assume that a corrected open window reading of 1 mrad/h equals 100,000 ccpm.

Distribution: Original-Dosimetry File Copy-Individuals Supervisor

PNPP No. 6838 Rev. 3/1/99

HPI-E0007

**2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 5**

CAUSE CODE

EXAMPLE

A.	Personnel Error	
	A1. Inattention to Detail	Poor technique of the affected individual.
	A2. Inadequate Communication	Failure of affected individual to heed Radiation Protection instruction.
	A3. Failure to Follow Procedure	Failure of affected individual to follow RWP. Failure of affected individual to heed Radiation Protection posting.
	A4. Inadequate Knowledge/Training	Inadequate knowledge/training of affected individual.
	A5. Other Personnel Error	Affected individuals. Contamination caused by other personnel error.
	A6. Inadequate HP Practices	Affected individuals. Contamination caused by Radiation Protection error.
B.	Program/Procedure Deficiency	
	B1. Inadequate or Unclear	Cause of contamination resulted from program/procedure inadequacy.
	B2. Not Covered By Procedure/ Program	Cause of contamination resulted from information not contained in program/procedure.
	B3. Other	Low Level Contamination Build-up.
C.	Equipment Malfunction	
	C1. Maintenance	Contaminated Protective Clothing.
	C2. Design	Inherent design of the equipment resulted in the contamination.
	C3. Installation	Equipment was installed improperly and resulted in contamination when used.
	C4. Component Failure	Equipment Failure.
	C5. Other	Protective clothing/contamination migration.
D.	Other Causes Specific To Health Physics	
	D1. (Deleted)	
	D2. Non-Contaminated Injury	Non-Contaminated injury.
	D3. (Deleted)	
	D4. Discrete Particle	Discrete particle.
	D5. Planned	Planned in accordance with <HPI-C0005>.
E.	Unknown	Unknown Source of Contamination.
D.	Not covered by A, B, C, D, N above	Other - Indeterminable Cause.

**Mini-Scenario No. 5  
Attachment 1**

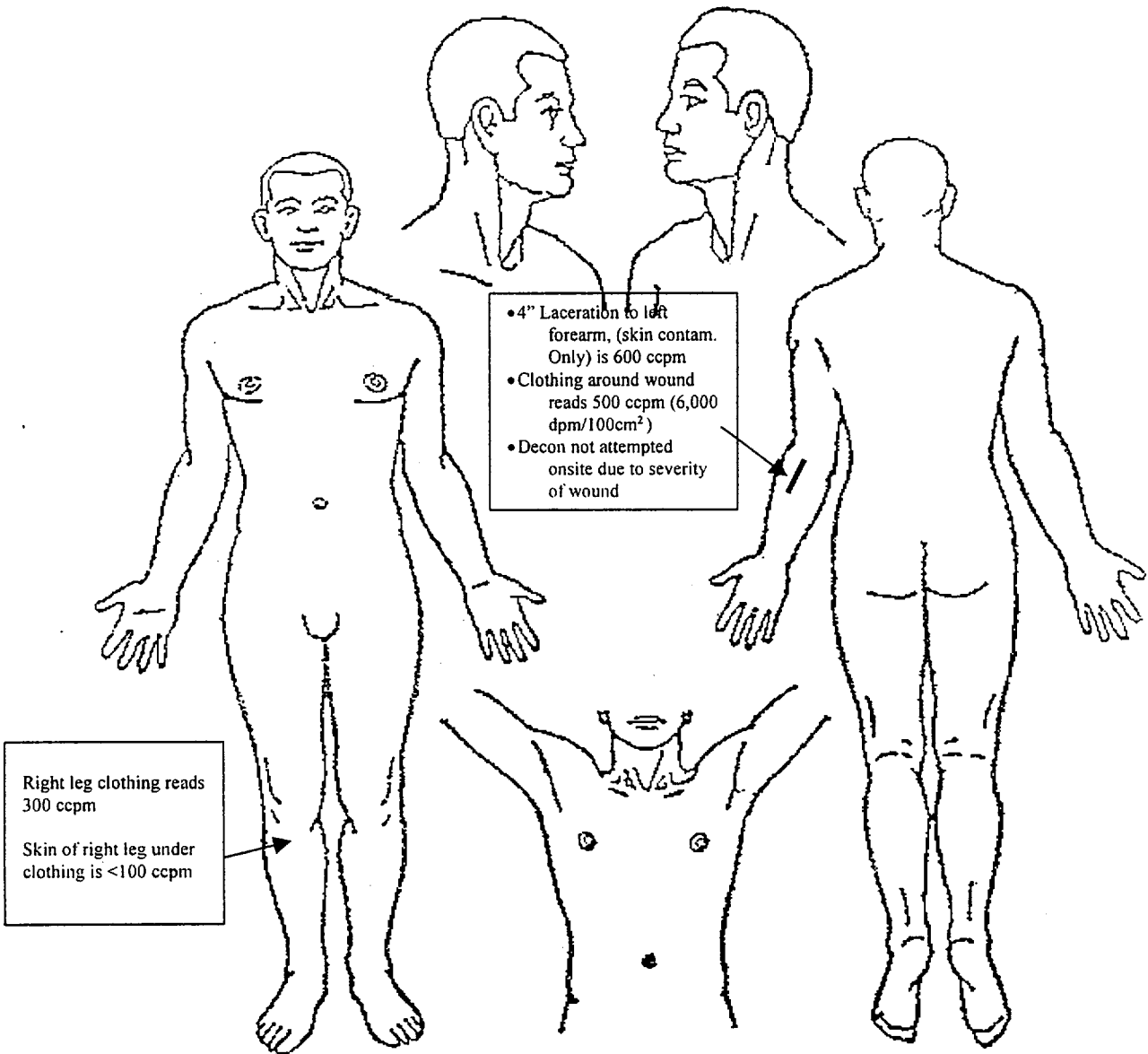


# 2000 PERRY EVALUATED EXERCISE

## Mini-Scenario No. 5

### Mini-Scenario No. 5 Attachment 1

Directions:  
Indicate levels of  
contamination on the  
corresponding body part.



**2000 PERRY EVALUATED EXERCISE**

**Mini-Scenario No. 5A**

Sabotage in a Plant Vital Area

**APPROXIMATE TIME:** 0925

**LOCATION:** Lake East Hospital (Simulated Location)

**REQUIRED SET-UP:**

1. Incendiary device mock-up pre-positioned in RHR 'B' Pump Room.

**EVENT SUMMARY:**

At approximately 0930 a controller will call the main badging area (280-5401) and relay information from an engineer that had been injured in an accident and is being treated at Lake Hospitals. At approximately the same time, a second controller will contact (280-5819) wishing to talk to the on-duty Supervisor, Nuclear Security Operations (SNSO). The second controller will identify himself as a member of the Perry Township Fire Department.

**POSTULATED SEQUENCE OF EVENTS:**

1. Caller: Controller: #1

**THIS IS A DRILL:**

**"This is the HP Tech that went to the hospital with that systems engineer this morning. Name: -----"**

**"The injured engineer told me something that really concerns me! He ADMITTED to setting the fire in the Pump room, AND that he had placed another incendiary device in the RHR "B" room. He went so far as to tell me the device is located on the cable tray in RHR "B" room. "**

2. Second Caller: Controller #2

**THIS IS A DRILL:**

Makes contact with the on-duty SNSO. Identifies himself as a member of the Perry Fire Brigade. The callers says; **"We are treating the fire in RHR "A" as "suspicious", due to the significant amount of damage in the room. This amount of damage is not consistent with a normal electrical fire or oil fire in the pump. We're still investigating but I thought you should know."**

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 5A**

3. Using the information gathered from both telephone calls, the on-duty SNSO should determine that this is a credible threat.
4. The SNSO shall dispatch an Officer to RHR "B" to investigate. A second device shall be located.
5. SNSO response to this incident should be in accordance with Security Contingency Instruction 0033 (Sabotage Device Found in a Vital Area.)
6. The SNSO should notify the Control Room, the TSC Security Coordinator, and Local Law Enforcement of the events and discovery of the device.
7. The SNSO's actions should include isolating the area, and running area accountability.
8. Control Room Shift Supervisor, based on this information, should enter EAL NS-1 (Confirmed Act of Sabotage Within a Vital Area)

The SNSO should begin and end each of these conversations with **THIS IS A DRILL.**

**PARTICIPANTS:**

- Security
- Control Room
- Off-Site Departments
  1. FBI (Simulated)
  2. Lake County Sheriff
  3. Perry Township FD. (Simulated)

**REFERENCES:**

- EPI-A1, Emergency Action Levels
- SCI-0033, Security Contingency Instruction , Confirmed Act of Sabotage Within a Vital Area

**ATTACHMENTS:**

None

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 6**

Rod Control and Information System (RC&IS) Rod Block

**APPROXIMATE TIME:** 0830 hours

**LOCATION:** Actual - Unit 1 Control Room

**REQUIRED SET-UP:**

**EVENT SUMMARY:** While performing a power due a safety relief valve (SRV) inadvertently opening, manual insertion of control rods is prohibited due to a failed input isolator card at panel 1H13-P651 causing analyzer to lockup.

**POSTULATED SEQUENCE OF EVENTS:**

1. Inward rod movement stops with the following indication present at 1H13-P680:

**INHIBIT ROD MOTION RCIS OOS** annunciator (P680-5A-D8)

**TEST DISPLAY LAMP** on the Operator Control Panel Blinking

2. Operators should enter Off-Normal Instruction (ONI) C11-1 for inability to move control rods, and contact the Technical Support Center (TSC) to request I&C support to troubleshoot the failure.
3. Upon initiation of troubleshooting activities in the Control Room, I&C technicians should discover the following at panel 1H13-P653:
  - No faults on the Fault Map
  - DIV 1 COMMAND WORD on the Analyzer Section will be blanked out
  - COMMANDS DISAGREE LED illuminated

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 6**

4. Attempts to reset RC&IS will cause the CLOCK and ADDRESS to increment while the RESET button is held. However, the CLOCK and ADDRESS will again freeze when the RESET button is released.

These conditions are caused by the loss of the 5 VDC Monitoring Circuit on the Input Isolator Card, thus preventing any DIV 1 COMMAND WORDS from being sent.

5. LEDs on the DIV 1 Activity Page in 1H13-P651 indicate normal, but LEDs CR10, CR20, and CR100 on the Input Isolator Card are NOT illuminated. (Not Simulated)

Failure of LEDs to be illuminated indicates a problem with the 5 VDC supply.

6. Inward rod motion using RC&IS will be restored once a replacement Input Isolator Card is obtained and installed.

RC&IS should be restored at 1005 hours, but NO LATER THAN 1030 hours.

As a contingency to delay the restoration of RC&IS, adjustments will be required to be made to the Input Isolator Card.

**REFERENCES:**

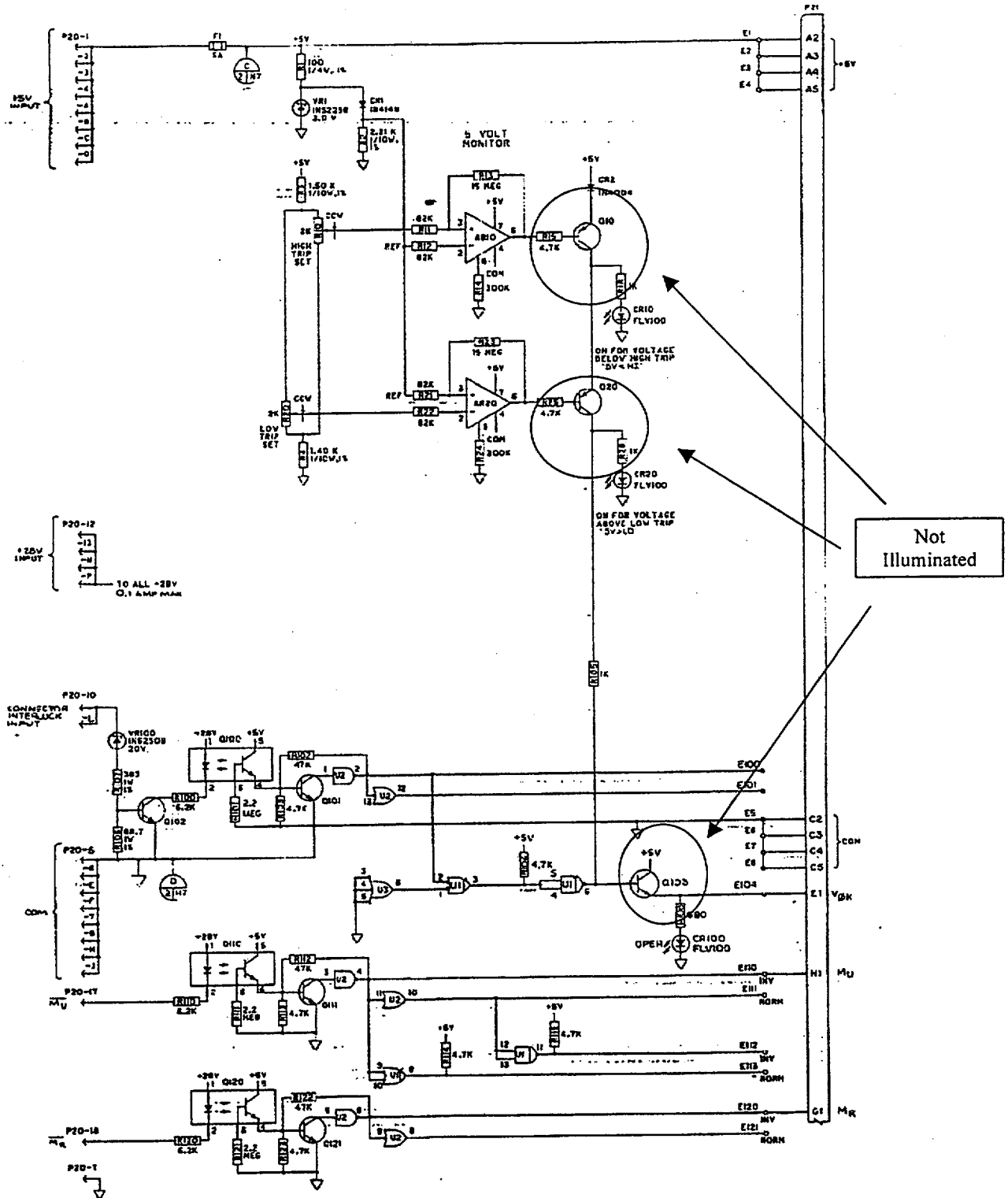
- ARI-H13-P680-5, "Reactor Control (Left)"
- ONI-C11-1, "Inability to Move Control Rods"
- Vendor Manual 209G Tab 7 GEK File Drawing RPIS Control File Input Isolator Layout Card 159C4685AA
- Vendor Manual 209G Tab 7 GEK File Drawing RPIS Control File Input Isolator Schematic Card 851E902AA

**ATTACHMENTS:**

1. Optical Isolator Card Layout Drawing
2. Optical Isolator Card Schematic



2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 6



Optical Isolator Card Schematic

Vendor Manual 209G  
851E902AA

Mini-Scenario No. 6  
Attachment 2

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 7**

Loss of Power to Control Room Annunciators

**APPROXIMATE TIME:** 0920 hours

**LOCATION:** Actual - 620' elevation, Turbine Power Complex (TPC), Unit 1

**REQUIRED SET-UP:**

1. Prestage mockup of breaker in accessible area. (Manual operated DC Breaker req'd. for mock-up.)

**EVENT SUMMARY:** Breaker D1A06 opens on a spurious trip signal interrupting power to the Control Room annunciators. The failure of Breaker D1A06 will also result in an Off-Gas System isolation and loss of RFPT control on the Master Level Controller (refer to Initial Condition Summary, Item #1).

A complete listing of components/equipment powered from Breaker D1A06 is contained in Plant Data Book (PDB) H004.

**POSTULATED SEQUENCE OF EVENTS:**

1. All 125 VDC annunciators in the Control Room are lost with the exception of the following AC-powered annunciator:

**ANN PWR SUPPLY FAIL**

2. Per ONI-C61, Operators will perform the following:
  - Maintain plant conditions as steady state as possible, i.e. suspend or do NOT commence any evolution which may result in a transient to the plant.
  - Augment Control Room staff with other plant licensed and non-licensed personnel to increase the ability to monitor plant parameters.

For the purposes of this exercise, the Simulator will be allowed to contact Operator Training Unit (OTU) to determine the availability of additional licensed personnel.



## 2000 PERRY EVALUATED EXERCISE

### Mini-Scenario No. 7

4. Based on the extent of the annunciator loss, Operators should dispatch a PPO directly to Breaker D1A06. Upon arrival the PPO will be unable to close the breaker. An OSC team should then be dispatched to rack out and troubleshoot Breaker D1A06.
5. Closer inspection of Breaker D1A06 once racked out reveals a loose spring on the closing latch mechanism. Repair team personnel should reattach the spring, then rack in and close the breaker to **restore annunciators at approximately 1030.**

If troubleshooting and repair activities progress too rapidly, controllers can direct repair team personnel that the breaker spring is broke. However, annunciators **MUST** be returned between 1025 and 1035 hours.

#### REFERENCES:

- ARI-H13-P680-7, "Steam Control (Unit 1)", page 133
- ONI-R61, "Loss of Control Room Annunciators (Unit 1)"
- ONI-R42-4, "Loss of DC Bus D-1-A"
- PDB-H004, "125 VDC Bus D-1-A"

ATTACHMENTS: None

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 8**

Failure of SLC 'B' Pump, 1C41-C001B, to Start

**APPROXIMATE TIME:** Approximately 1055 hours

**LOCATION:** Actual (MCC EF1C08) - 620' elevation, Control Complex

**REQUIRED SET-UP:**

Prestage mockup MCC and penetration fuse box in accessible area.

**EVENT SUMMARY:** SLC 'B' Pump fails to start when initiated per PEI-B13 (ATWS) in response to an ATWS condition resulting from the loss of instrument air to the Control Rod Drive Hydraulic (CRDH), C11, System. Due to the unavailability of the SLC 'A' Pump as an initial condition (Mini-Scenario No. 2), Operators should line-up for alternate boron injection per PEI SPI-1.8.

**NOTE:** Alternate boron injection into the RPV is performed via the High Pressure Core Spray (HPCS) flush connection 1E22-F031 using the SLC Transfer System and the Alternate Boron Injection Pump. The estimated time to line-up and initiate alternate boron injection is approximately 4 hours.

Players will be allowed to perform PEI SPI-1.8 actions to line-up for alternate boron injection. However, efforts can NOT be successful until after the SLC 'B' Pump is restored to service. If required, controllers will interject a problem with installing the ABI connection assembly end of the high-pressure hose to the HPCS flush connection.

**POSTULATED SEQUENCE OF EVENTS:**

1. Upon inspection, an OSC repair team will observe that the 'A' and 'C' phase fuses in MCC EF1C08 Compartment D are blown.

If repair team personnel attempt to replace the fuses without identifying and correcting the problem (as described below), the 'A' and 'C' replacement fuses will also blow.

## 2000 PERRY EVALUATED EXERCISE

### Mini-Scenario No. 8

2. Repair team personnel upon evaluating the source of the blown fuses should discover a defective fuse holder located in 1R24S026 section 19-F12, which is adjacent to MCC EF1C08 Compartment D. The defective fuse holder caused a high resistance condition on the 'B' phase power supply to the SLC 'B' Pump motor. This condition in turn caused the 'A' and 'C' phase mainline fuses to blow on overcurrent, thus losing power to the control power transformer and preventing pump operation.
3. A replacement fuse holder should be obtained from the Warehouse. Once installed and the main line fuses replaced, the SLC 'B' Pump can be restored to service and boron injection initiated.

SLC 'B' Pump can be restored to service as early as 1300 hours, but by no later than 1320 hours.

Controllers must remember to allow sufficient time for the tagout to be cleared.

#### REFERENCES:

- PEI-B13, "RPV Control (ATWS)"
- PEI:SPI-1.8, "Alternate Boron Injection"
- Plant Drawing B-208-030 (Sheet A06), "Standby Liquid Control Pump (C001B)"
- Plant Drawing D-209-208 (Sheet 289), "(1R24-S024) 480 V MCC EF1C08, Compartments D, E, and J"

#### ATTACHMENTS:

1. Diagram of Penetration Fuse Box (from B-208-030, Sheet A06)



**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 9**

Failure of the Reactor Core Isolation Cooling (RCIC) Steam Supply Inboard  
Valve, 1E51-F063, to Close

**APPROXIMATE TIME:** 1110 hours

**LOCATION:** Actual (Valve) - Drywell (Unit 1)  
(MCC EF1D07) - 620' elevation, Control Complex

**REQUIRED SET-UP:**

1. Prestage mockup MCC in accessible area.

**EVENT SUMMARY:** A weld failure occurs at 1105 hours in the Steam Tunnel upstream of the RCIC Steam Supply Outboard Isolation Valve, 1E51-F064. Position indication at panel 1H13-P601 for the 1E51-F064 valve is lost due to an electrical short at the valve as a result of the valve's proximity to the weld failure.

At 1110 hours, a RCIC isolation signal is received due to high RCIC steam line differential pressure. However, the RCIC Steam Supply Inboard Isolation Valve, 1E51-F063, fails to close when commanded. An unisolable release pathway to the environment now exists from the RCIC System into the Steam Tunnel and out the Turbine Building/Heater Bay (TB/HB) Vent. (Refer to Attachment 2 and Figure 8.5.2.)

**POSTULATED SEQUENCE OF EVENTS:**

1. The Control Room receives the following indication of an unisolated steam line break in the Steam Tunnel:
  - **RCIC ISOL STEAM TUNNEL TEMP HIGH** annunciator on panel 1H13-P601
  - Loss of position indication for both the 1E51-F063 & -F064 valves on 1H13-P601
2. With both the 1E51-F063 (in Drywell) & -F064 (in the Steam Tunnel) inaccessible, OSC repair teams should be dispatched to the breakers and MCCs for each respective valve to attempt to determine if an electrical source for these failures exists.

## 2000 PERRY EVALUATED EXERCISE

### Mini-Scenario No. 9

3. Attempts to identify the actual position of the 1E51-F064 valve are unsuccessful. Any attempt to use the Steam Tunnel cameras to identify the location of the RCIC line break will be unsuccessful.

Since the weld failure occurred upstream of the 1E51-F064 valve, the actual position of the valve does NOT impact the ability to isolate the break.

4. Mainline fuses are discovered blown at MCC for the 1E51-F064 valve. When replaced, fuses will repeatedly fail. Response efforts should now focus on troubleshooting and closing the 1E51-F063 valve.
5. Upon inspection of fuse box R24-S026 (Section 19-F9) which is adjacent to MCC EF1D07 Compartment XN, repair team personnel will observe that mainline fuses 1T1 and 1T2 have blown. (Refer to Attachment 1.)

If repair team personnel attempt to replace these fuses without identifying and correcting the problem source (as described below), the '1T1' and '1T2' replacement fuses will also blow.

6. Repair team personnel upon evaluating the source of the blown fuses should discover a failed control power transformer.
7. A replacement control power transformer should be obtained from the Warehouse and installed, and the mainline fuses for '1T1' and '1T2' replaced.

**The 1E51-F063 valve must be closed at exactly 1340 hours to coincide with radiation monitor data loaded in the Computer-Aided Dose Assessment Program (CADAP) "drill" file.**

Restoration of the 1E51-F063 must be closely coordinated between the Simulator Driver and OSC controller.

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 9**

**REFERENCES:**

- ARI-H13-P601-21, "RCIC & LPCS (Unit 1)"
- ONI-N11, "Pipe Break Outside Containment (Unit 1)"
- PEI-N11, "Containment Leakage Control"
- Plant Drawing B-208-075 (Sheet A24), RCIC Steam Supply Line Isolation Inboard to RHR Condensing Heat Exchanger - F063"

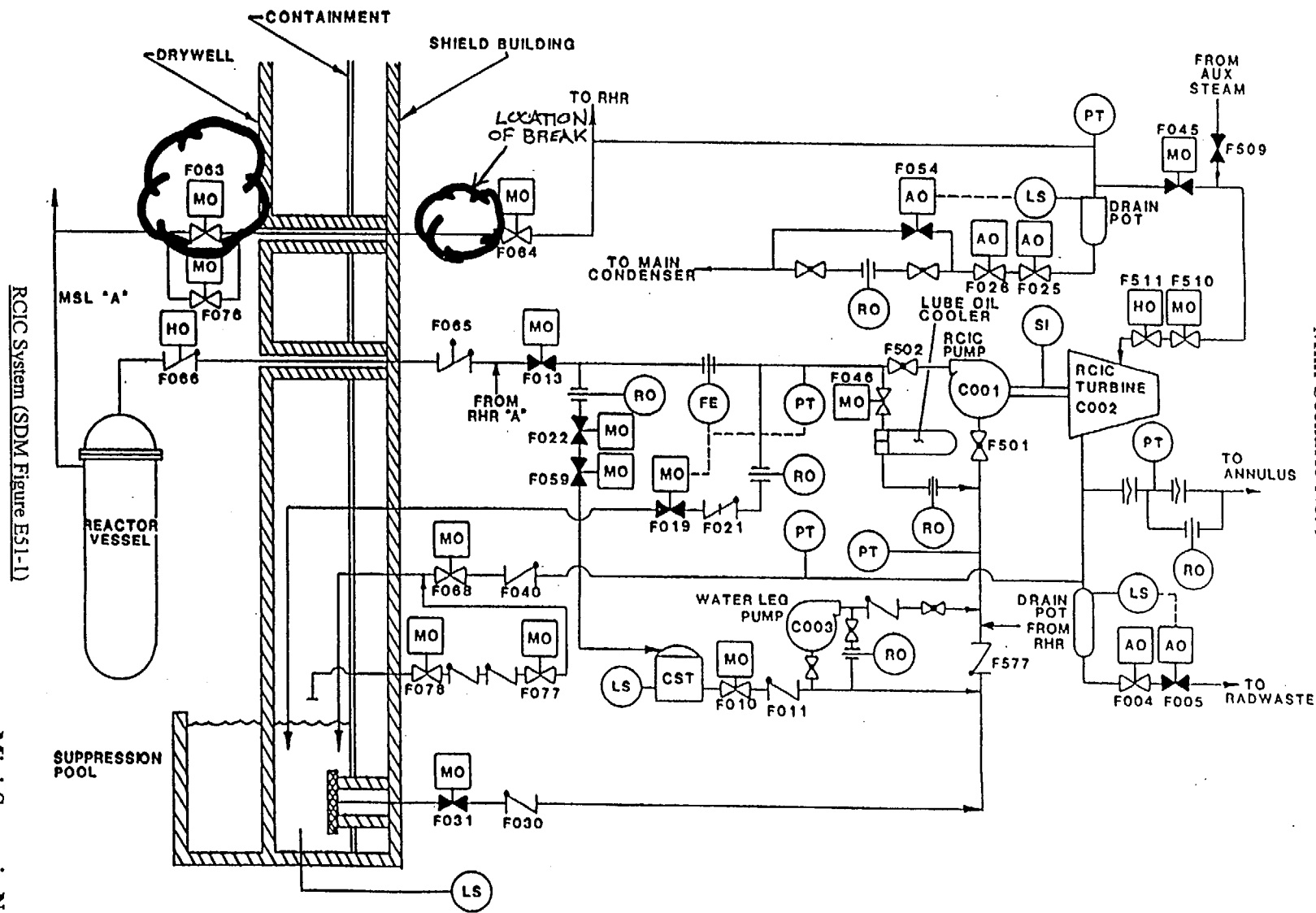
**ATTACHMENTS:**

1. Diagram of Penetration Fuse Box (from B-208-075, Sheet A24)
2. RCIC System (SDM Figure E51-1)





2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 9



RCIC System (SDM Figure E51-1)

Mini-Scenario No. 9  
Attachment 2

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 10**

Motor Feed Pump (MFP), 1N27-C004, Trip

**APPROXIMATE TIME:** 1225 hours

**LOCATION:** Actual - 620' elevation, Heater Building (Unit 1)

**REQUIRED SET-UP:**

**EVENT SUMMARY:** The MFP trips on low lube oil pressure (less than 5 psig) when a relief valve at the discharge of the AC oil pump inadvertently opens recycling oil back to lube oil sump (Attachment 1). The MFP DC oil pump starts due to low lube oil pressure (less than 8 psig), but can NOT prevent pressure from dropping to trip setpoint.

With the loss of the MFP, no other system is available to feed the RPV; therefore, RPV level starts to decrease. While available, per PEI-B13 (ATWS), HPCS can NOT be used to feed the RPV until RPV level can NOT be maintained greater than -25 inches.

[NOTE: top of active fuel (TAF) = 0 inches.]

**POSTULATED SEQUENCE OF EVENTS:**

1. A PPO dispatched to the MFP will hear flow noise in the piping from the failed relief valve. The failed relief valve and associated piping will be warm to the touch. He will also observe that the DC oil pump is running.
2. Attempts to manually override the relief valve by turning the adjusting screw (Piece 'C' on Attachment 2) will NOT work due to binding caused by a broken control spring (Piece 'G'). Retainer (Piece 'D') will NOT turn inward if attempted to close relief valve.
3. The MFP lube oil system should be secured and the relief valve removed for repairs or placement.

**Efforts to replace or repair the relief valve can be successful after 1315 hours.**

**2000 PERRY EVALUATED EXERCISE**  
**Mini-Scenario No. 10**

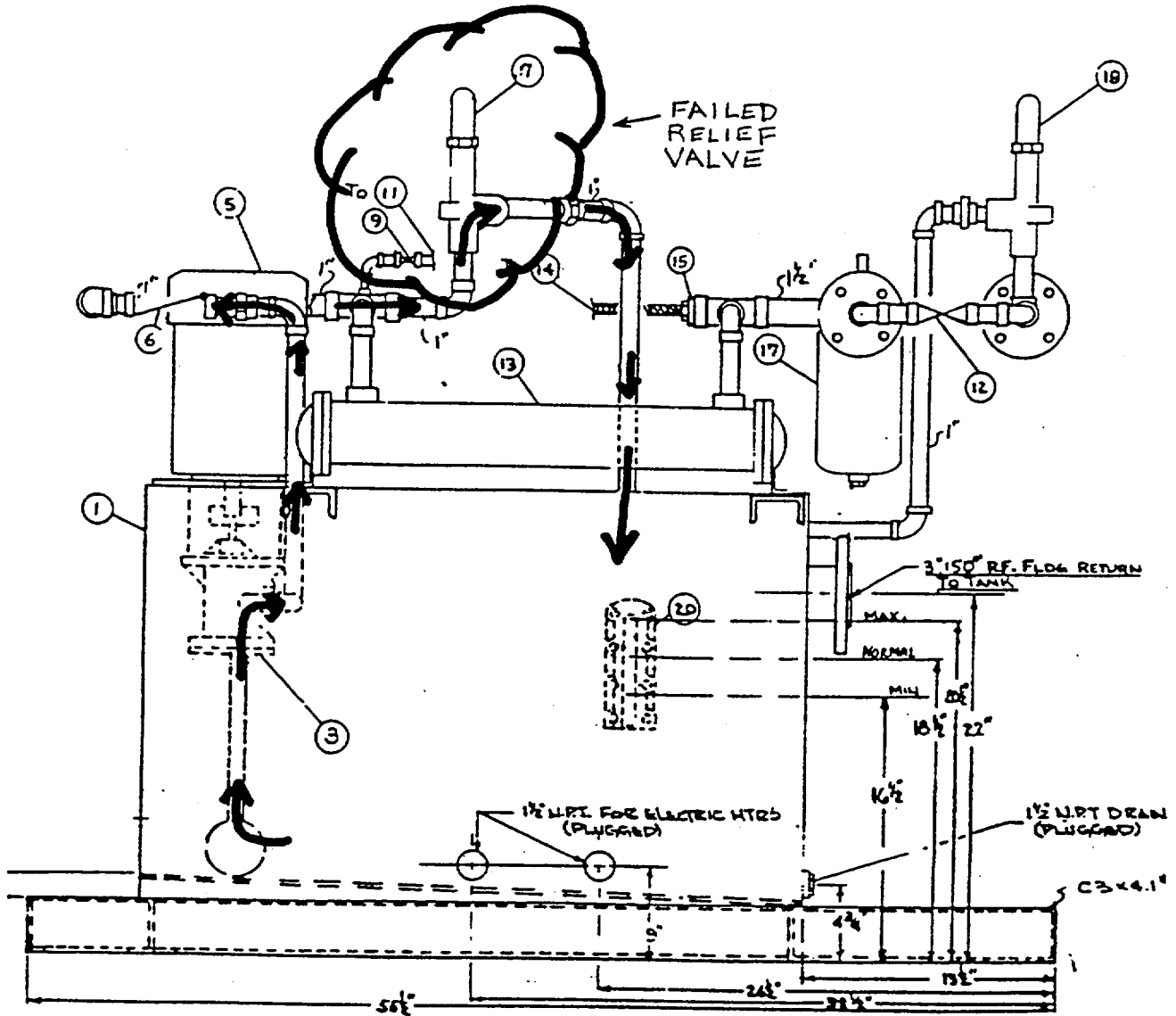
**REFERENCES:**

- ARI-H13-P680-3, "Feedwater (Unit 1)" (pages 3 and 69)
- ONI-N27, "Feedwater Pump Trip (Unit 1)"
- PEI-B13, "RPV Control (ATWS)"

**ATTACHMENTS:**

1. Vendor Manual Drawing C-76-E-55 Exerpt(illustrating lube oil system configuration)
2. Vendor Manual Figure (illustrating FULFLO relief valve assembly)

2000 PERRY EVALUATED EXERCISE  
 Mini-Scenario No. 10

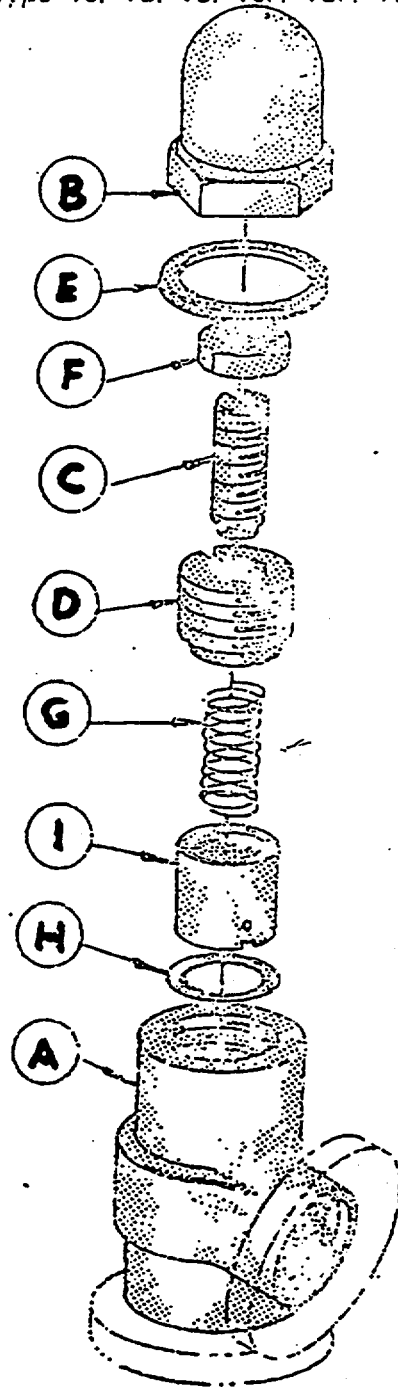


Vendor Manual Drawing C-76-E-55 Exerpt  
 (illustrating lube oil system configuration)

Mini-Scenario No. 10  
 Attachment 1

2000 PERRY EVALUATED EXERCISE  
Mini-Scenario No. 10  
INSTALLATION AND MAINTENANCE INSTRUCTIONS  
FOR FULFLO VALVES

Valves Type VJ, VB, VS, VJF, VBF, VSF, VJSP, VJFSF



Vendor Manual Figure  
(illustrating FULFLO relief valve assembly)

Mini-Scenario No. 10  
Attachment 2

END OF SECTION 9.0, "MINI-SCENARIOS"

## **SECTION 10.0**

### **PUBLIC INFORMATION MESSAGES**

Contents of this Section:

Section 10.1 - Public Information Questions

Section 10.2 - Media Monitor Scripts

Section 10.3 - County Public Access/Rumor Control Messages

## 2000 PERRY EVALUATED EXERCISE 10.0 PUBLIC INFORMATION MESSAGES

A significant aspect of emergency response is the ability to provide area citizens and the news media with accurate and timely information about the incident. Public perception and reaction are influenced by the information relayed to them. To ensure that the Perry Nuclear Power Plant (PNPP) Emergency Response Organization is prepared to deal with inquiries during an incident at PNPP, this exercise provides certain elements that test Public Information activities and response. During the course of this exercise, both the PNPP Public Information Response Team (PIRT) and the Joint Public Information Center (JPIC) will be activated and exercised.

Special Exercise Controllers have been selected and trained to test the Rumor Control and Media Response staffs. Controllers will act as concerned citizens, employees, government officials, and as members of the media, posing questions to the staff. Controllers should use pseudonyms when making calls.

The following pages denote questions that can be used by the controllers. Questions are grouped by time in relation to the events specified in the exercise scenario. Controllers are allowed to use questions from earlier times, but may not jump ahead. The lead PIRT Controller shall verify that the exercise is adhering to schedule, and will make any necessary timing adjustments. Space is provided for controllers to make notes on the response. Controllers also should use special critique forms as discussed in their training. Free play, based on available information, is encouraged. Controllers may also ask more than one question per call, if appropriate.

Controllers must always precede questions with "This is a drill." If playing a reporter, controllers can free play questions based on the information given. Additionally, controllers should ask questions about FirstEnergy, The Illuminating Company, the state or counties, background on PNPP, radiation, the state/county/utility interface, protective actions, etc.

**SECTION 10.1**

**PUBLIC INFORMATION QUESTIONS**



**2000 PERRY EVALUATED EXERCISE  
10.1 PUBLIC INFORMATION QUESTIONS**

TIME

QUESTION

0900

**THIS IS A DRILL**

This is (make up a last name) from Radio Station WKAP. We understand that there's been some kind of an emergency at Perry. What's going on?

**THIS IS A DRILL**

This is the NEWS Today Newspaper. What is the status of the fire? Should the public be concerned?

**THIS IS A DRILL**

This is Radio Station WRAT. We heard there's something happening at the plant. We want to send a local reporter out to cover it. Who should she ask for?

**THIS IS A DRILL**

I live on Center Rd. I have seen a lot of fire trucks go by. What is happening with the plant?

**THIS IS A DRILL**

This is Channel 81. We heard there are problems again at the plant. Can we speak to the Plant Manager? We'd like to get him on tape discussing this problem for a 10:00 a.m. news broadcast.

**THIS IS A DRILL**

I heard someone was hurt at the Perry Plant. My son works at the plant and I can't reach him.

**THIS IS A DRILL**

This is Gloria Buckingham with the Courier Journal. I heard there was an emergency declared at the plant. What is your company doing to correct the problem? Is this the result of human error again?

**THIS IS A DRILL**

Why isn't your Joint Public Information Center activated?

**THIS IS A DRILL**

Has the State and Counties been notified of the emergency? What is the Governor doing?

**2000 PERRY EVALUATED EXERCISE  
10.1 PUBLIC INFORMATION QUESTIONS**

(0900 Continued)

**THIS IS A DRILL**

I'm new to this area. I've never lived around a nuclear plant, but an alert at a chemical plant I lived close to meant serious consequences. What is a Nuclear Alert?

**THIS IS A DRILL**

I heard there is a fire inside the plant. How bad is it? Do I have to leave my home?

1000

**THIS IS A DRILL**

My kids are with a neighbor down at Perry Park. I can't leave to go get them. Who's going to let them know what's happening?

**THIS IS A DRILL**

I'm with the Reporter. We sent a reporter out to get a personal interview with someone? Could you see if she has arrived yet? Are there any other media at the site?

**THIS IS A DRILL**

Is there any danger to the public?

**THIS IS A DRILL**

Have you given any recommendations to the County Commissioners?

**THIS IS A DRILL (Elisa)**

Are you evacuating people? Do I need to leave?

**THIS IS A DRILL**

This is (make up a last name) from WXIN radio station. Our reporters attempted to interview some plant employees earlier today about the Perry Plant. Those employees said they couldn't talk about Perry or any situation there. Do you stop employees from talking to the Press? Who talks to the press for your company? Can I talk to that person?

**THIS IS A DRILL**

Does the fire have anything to do with the low level waste disposal site out there?

**THIS IS A DRILL**

I'd like to talk to the individual contacting public officials. I need to know if the governor has declared a state of emergency. People are calling my office. I'm a local trustee from Willoughby.

**2000 PERRY EVALUATED EXERCISE  
10.1 PUBLIC INFORMATION QUESTIONS**

**THIS IS A DRILL**

Has anyone been injured because of this incident?

**THIS IS A DRILL**

This is Gloria Star from WLWS Channel 82. I've heard that you declared a Site Area Emergency. What should our viewing audience be doing now? Do you have an update for us?

**THIS IS A DRILL**

Has the Perry Plant recommended any protection actions to citizens? Has any outside help been brought in?

**THIS IS A DRILL**

I live in Madison. Should I be doing anything to get ready for an evacuation? Are there any preliminary messages?

**THIS IS A DRILL**

I represent Radio Station WDON. You are live on the air. We heard about the problems out there. This is kind of like the Titanic, isn't it? People said it would never sink and it did. For years nuclear people have been saying that this plant won't blow, but it's obviously going to. Would you comment on the similarities between these two tragedies, please?

**THIS IS A DRILL**

Is the fire at the plant under control?

**THIS IS A DRILL**

Weren't you just shut down for a long outage? Didn't you fix everything then?

1100

**THIS IS A DRILL**

Is the NRC coming to the Site?

**THIS IS A DRILL**

This is (make up a last name) from WWOG Radio. We received a report that people are leaving the Perry area. Are they being told to go? If so, who's telling them, and where are they being told to go to?

**THIS IS A DRILL**

Who should I call for further information about Lake County?

**2000 PERRY EVALUATED EXERCISE**  
**10.1 PUBLIC INFORMATION QUESTIONS**

**THIS IS A DRILL**

This is Gloria Foster from CLN. I understand there are major problems there on the shores of Lake Erie at that Nuclear Plant, and things are moving from bad to worse. Where's the person in charge? I'd like to talk to him.

**THIS IS A DRILL**

This is (make up a last name). Can you update me on the status of the reactor? I've tried getting through to the EMA and all lines are busy.

**THIS IS A DRILL (Elisa)**

What class of emergency are we presently in? What does that mean?

**THIS IS A DRILL**

This is the Akron Analyzer. We understand Perry employees evacuating the area are being told not to speak with any one. Are your employees being sent to special care areas? If so where is the nearest one where we could find someone to talk to?

**THIS IS A DRILL (Name)**

We are getting a lot of calls this morning about the emergency at Perry. We don't want them calling us. What number should we tell our listeners to call to get information about the plant?

**THIS IS A DRILL**

What should I do? I live in Madison Township?

1200

**THIS IS A DRILL**

Do you have enough water to cool that place down? Where do you get it from - Lake Erie? Are you dumping contaminated water back into the lake?

**THIS IS A DRILL**

This is Conneaut Radio Station WWWW. We'd like to come out to the plant site to get some photographs and interviews with individuals working to alleviate this emergency.

**THIS IS A DRILL**

Are there any county representatives in that facility? I'm a Mentor councilman and I'd like to get a first-hand report of how things are going.

**THIS IS A DRILL**

My husband is going fishing on Lake Erie. Should he still go? Is it safe? Should he take a portable radio? What radio station should he listen to?

**2000 PERRY EVALUATED EXERCISE**  
**10.1 PUBLIC INFORMATION QUESTIONS**

(1200 continued)

**THIS IS A DRILL**

This is Elisa Donaldson from the Lake County Courier. What's the real reason you folks are having so many problems with that plant? Is any of this the result of your terminating employees? Are your employees depressed from all the layoffs and cuts, and not performing satisfactorily?

**THIS IS A DRILL**

Is the Media Center open yet?

**THIS IS A DRILL**

Have the State and Counties been notified of the emergency? What is the Governor doing?

**THIS IS A DRILL**

I cannot find my Emergency Information Brochure. What should I do?

**THIS IS A DRILL**

This is the Mayor of Erie. Can you see that we get a personal telephone call and update on any changes in the emergency. Believe it or not, we are getting calls from citizens in this area about what's happening at Perry.

**THIS IS A DRILL**

What actions are being done to stop this emergency?

1300

**THIS IS A DRILL**

I'm so tired of that Plant. When are the people in this area going to be able to rely on that place to run? Can't you people fix that reactor right?

**THIS IS A DRILL**

This is WCYX, Channel 31. Boy, do you folks have big problems. Is there anyone there who can verify whether a spontaneous evacuation is occurring?

**THIS IS A DRILL**

Do those sirens mean I should leave? Or, do I just need to stay tuned to my radio and television?

**THIS IS A DRILL**

This is radio station WISK. Is this the first General Emergency you guys have declared? We need some answers for our viewers, who are saying that you just had a big emergency in March. Is that true? What other nuclear plants have had emergencies?

**2000 PERRY EVALUATED EXERCISE  
10.1 PUBLIC INFORMATION QUESTIONS**

(1300 continued)

**THIS IS A DRILL**

This is (Name) from the Stock Market Today. When is the next press briefing? How many media are at your Media Center?

**THIS IS A DRILL**

How many times and for how long do those sirens sound?

**THIS IS A DRILL**

How serious is a Site Area Emergency? Why are people leaving the site?

**THIS IS A DRILL**

This is Gloria Brown on Main Street in Perry. I'm not leaving my home! I don't care how many sirens you guys sound. I'm not leaving!

**THIS IS A DRILL**

Elisa Richardson on Radio Station WINW. I know your plant has had fuel after fuel leak, why didn't they fix this problem in the last outage?

1400

**THIS IS A DRILL**

Do you plan to reimburse residents for any damages due to this emergency?

**THIS IS A DRILL**

Do you issue more than one EAS message?

**THIS IS A DRILL**

How much radiation are you releasing to the environment?

**THIS IS A DRILL**

Will you ever be able to operate the plant again?

**THIS IS A DRILL**

Has the radiation stopped? How much was released?

**THIS IS A DRILL**

This is radio station WCPN Public Radio. I have you live on the air. I would like for you to give us an update as to what is happening out there. (WAIT FOR AN ANSWER) Will your Emergency Manager debate Bob Pollard of the Union of Concerned Scientists? We will set it up by telephone.

**THIS IS A DRILL**

Who will pay for this?

**2000 PERRY EVALUATED EXERCISE  
10.1 PUBLIC INFORMATION QUESTIONS**

(1400 continued)

**THIS IS A DRILL**

Will my taxes go up to pay for damages caused by the accident at the Perry Plant?

**THIS IS A DRILL**

You just issued a General Emergency. That's more serious than a Site Area Emergency? Is there any danger to the public?

**THIS IS A DRILL**

Elisa Jacobs of the Boston Globe I'd like to talk to members of the crew who were in the Control Room when the emergency first started. Are any of those individuals available?

**THIS IS A DRILL**

What is the status with the fire at the plant? What kind of damage did it cause?

**THIS IS A DRILL**

Will the NRC be responsible for the Plant from now on? Will they be more aware of public safety?

NOTE TO CONTROLLERS: The exercise is terminated.

**SECTION 10.2**

**MEDIA MONITOR SCRIPTS**



**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

Another aspect of JPIC response is the ability to monitor media broadcasts of the nuclear plant emergency. By doing this, JPIC responders can verify the accuracy of the information being released to the public. Faulty information should be corrected by JPIC staff.

A controller will give each script to the Media Monitor Staff person at the time designated on the script. For exercise purposes, the script simulates transcription of a television news broadcast.

Note: Reference (Players/Controllers Message Summary) Section 7.1 for messages directed to Corporate Liaison and CEI Telephone Operator.

**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

**THIS IS A DRILL**  
SEGMENT #1

TIME: 1100

"This is Barbara Starr for WCHP News.

We have just received word of a problem at the Perry Nuclear Power Plant. There has been a report that there is a fire at the Plant. There has also been a report that an injured person has been transported to the hospital.

Officials at the plant have classified the condition an ALERT category. An Alert is the second lowest of four emergency classifications used to describe situations that can get progressively worse at nuclear plants.

Stay tuned to this station for updated information, as it becomes available.

For WCHP, this is Barbara Starr."

**THIS IS A DRILL**

**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

**THIS IS A DRILL  
SEGMENT #2**

TIME: 1120

"This is Barbara Starr for WCHP News.

The emergency situation at the Perry Nuclear Power Plant located about 35 miles east of Cleveland has been changed to a SITE AREA EMERGENCY. It seems that all the warning alarms in the Control Room are broken. The status of the plant is unknown.

Although the emergency was declared, a plant spokesperson stresses that there is no immediate danger to the public. However, people living near the plant have continued to report that plant personnel are evacuating the area as quickly as they can.

The Illuminating Company, State and County officials are setting up an emergency news center near the plant called the Joint Public Information Center. We will continue to provide you with the latest information as it becomes available.

Barbara Starr, WCHP News."

THIS IS A DRILL

**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

**THIS IS A DRILL**  
SEGMENT #3

TIME: 1230

"This is Barbara Starr for WCHP News.

Conditions at the Perry Nuclear Power Plant are deteriorating. WCHP just recently learned that the emergency situation has been upgraded to a General Emergency. A General Emergency is the highest classification for emergencies at Nuclear Power Plants.

County Commissioners in all three counties have ordered that everyone within a 25 mile radius of the plant evacuate to a safer place. At this time we don't know how much radiation has been released.

Stay tuned to this station for further updates on the status of this nuclear disaster, which appears to be quickly becoming the worst nuclear disaster in history.

For WCHP, this is Barbara Starr."

**THIS IS A DRILL**

**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

**THIS IS A DRILL**  
SEGMENT #4

TIME: 1300

"This is Barbara Starr for WCHP News.

Reporting on the ongoing nuclear disaster at the Perry Nuclear Power Plant. I spoke with several residents from around Perry about the continuing emergency.

Citizen 1: Airline companies know that sooner or later one of their airplanes will crash. Regardless of how careful they are with maintenance, training, and using good quality parts, eventually some factor such as human error, terrorist bomb, sabotage, or simple mechanical failure will cause an accident. The same is true for nuclear power plants. So why build them in the first place?

Citizen 2: I heard that some county government officials who are holed up in an underground bunker somewhere in the woods in Lake County are the people who are calling the shots. What do they know about running a nuclear power plant? That's why we're in the mess we're in!

Citizen 3: This is a bad accident and I'm afraid that a lot of us are going to lose our property, just like what happened in Russia and Three Mile Island. It wouldn't have been so bad if they'd allowed us to buy insurance for this type of catastrophe!

Citizen 4: It's a shame that some people do not take pets with them when they leave. They just let them loose to forage for themselves. Now, there are roving packs of dogs, probably mad with radiation poisoning, attacking any other animal or human in sight.

This is Barbara Starr, WCHP. Stay tuned for further information."

THIS IS A DRILL

**2000 PERRY EVALUATED EXERCISE  
10.2 MEDIA MONITOR SCRIPTS**

**THIS IS A DRILL**  
SEGMENT #5

TIME: 1340

"This is Barbara Starr for WCHP News.

The situation at the Perry Nuclear Plant is improving. The nuclear reactor has been shut down. CEI, State and County officials are now discussing what after effects are to be seen in the areas around the plant.

Who is at fault, how long the effects of this disaster will last, and who will pay for the repairs and lost electricity remains to be seen. For the citizens of Ohio, the real emergency may only be beginning.

Reporting for WCHP, this is Barbara Starr."

THIS IS A DRILL

**SECTION 10.3**

**County Public Access/Rumor Control Problems**

**PERRY 2000 EVALUATED EXERCISE**  
**10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

An exercise control cell, referred to as "Rumor Mongers", will make telephone calls to Ashtabula, Geauga, and Lake counties' emergency operation centers (EOCs) where the public access/rumor control functions are located. These calls will imitate calls from the public that may be received during an actual emergency.

The "problems" presented by the Rumor Mongers are outlined on the following pages. These problems are organized into two packages: one that contains problems for Lake County (Labeled "Lake-#") and the other which contains problems for each of the three counties (Labeled "AGL-#"). Lake County will receive twice the number of problems as the other two counties. The two packages of problems are different from one another. Also, within the "AGL" package that pertains to all three counties, three of the problems (AGL-3a, 3b, 3c; AGL-7a, 7b, 7c; AGL-18a, 18b, 18c) differ so that no single entity will receive exactly the same set of problems as any other.

Messages that intentionally have a common theme (rumors) are: messages 9, 10, and 11 in the package pertaining to all three counties.

The messages will be initiated by the Rumor Mongers at the approximate time indicated on each. If there is a delay in the scenario proceeding, an Exercise Controller will telephone the control cell and arrange a corresponding delay in the calls being made to the Public access and Rumor control functions in the EOCs.

If the counties' rumor control personnel have to return a call to the caller (Rumor Monger), the exercise control cell will be organized to accept such call backs and maintain continuity.



**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-1
GEAUGA - 440-285-2210	Approximate Time:	1000
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Nancy (Melvin) Swizer  
345 Engineer Place

Ashtabula: Geneva  
Geauga: Thompson  
Lake: Fairport Harbor

Rumor Problem:

**"This is an exercise.** My brother and his wife have us all confused as to what's happening at Perry. Can you please explain just exactly what's wrong with the plant?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-2
GEAUGA - 440-285-2210	Approximate Time:	1015
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Laurel (Steve) Wenke  
5699 Fruitful Lane

Ashtabula: Geneva-on-the-Lake  
Geauga: Munson  
Lake: Painesville

Rumor Problem:

**"This is an exercise.** I've got tomatoes, bell peppers, rhubarb, leaf lettuce, iceberg lettuce, and romaine growing out back. What can I do to protect them if the Perry Plant releases radiation?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-3a
GEAUGA - 440-285-2210	Approximate Time:	1030
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rochelle (Chip) Fox  
5282 Blue Mountain Blvd.  
Sheffield

Rumor Problem:

**"This is an exercise. Is it safe for my children to play outside? This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-3b
GEAUGA - 440-285-2210	Approximate Time:	1030
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Susan (Dean) McCabe  
578 Maple Tree Lane  
Burton

Rumor Problem:

**"This is an exercise.** I was going to go on a picnic today.  
Should I cancel my plans? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-3c
GEAUGA - 440-285-2210	Approximate Time:	1030
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Carol (Luke) O'Grady  
4910 Lakewood Circle  
Lakeline

Rumor Problem:

**"This is an exercise.** Is it true that hundreds of people have already been killed in the accident out at Perry?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-4
GEAUGA - 440-285-2210	Approximate Time:	1100
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rhonda (Tim) Wollensak  
8763 Applewood Dr.

Ashtabula: Jefferson  
Geauga: Middlefield  
Lake: Mentor

Rumor Problem:

"This is an exercise. What's happening at the Perry Plant?  
This is an exercise."

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-5
GEAUGA - 440-285-2210	Approximate Time:	1110
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Sharon (Edward) Smart  
3388 Crescent Dr.

Ashtabula: Geneva  
Geauga: Thompson  
Lake: Mentor

**Rumor Problem:**

**"This is an exercise.** My father who is a college physics professor at Cleveland State gave me a Geiger counter a couple of years ago. It's not picking up any radiation. Is it safe to assume, then, that it's alright to go outside? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	AGL-6
GEAUGA - 440-285-2210	Approximate Time:	1120
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Maria (Mario) Leone  
66 Liberty St.

Ashtabula: Andover  
Geauga: Parkman  
Lake: Wickliffe

Rumor Problem:

**"This is an exercise.** I never got the emergency literature sent in the mail and don't know which roads are blocked off. My neighbor, John Wagner, and I want to head out for Kentucky. Which way should we go to avoid the detours?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-7a
GEAUGA - 440-285-2210	Approximate Time:	1130
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Beth (Brian) McConnell  
333 Wyandot Trail  
Ashtabula

**Rumor Problem:**

**"This is an exercise.** A guy on the radio said that the plant at Perry has been leaking radiation all along, and that it's something we'll have in this area all our lives and we'll have to live with. But I want to know how much more this accident will add, and how much more we can take safely? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-7b
GEAUGA - 440-285-2210	Approximate Time:	1130
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Peggy (Henry) DeBoer  
55 Shore Dr.  
Auburn

Rumor Problem:

"**This is an exercise.** I heard that the Perry Plant is dumping radiation into Lake Erie. This will cause the effects of the accident to last thousands of years. Why are they letting them do that? **This is an exercise.**"

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:

ASHTABULA - 440-576-3419  
GEAUGA - 440-285-2210  
LAKE - 440-953-5469  
440-953-5470

GE

Message #:

Approximate Time:

Exercise Rumor Monger ID:

AGL-7c

1130

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Kimberly (Marcus) Quinton  
100 Lilly Pond Dr.  
Willoughby

Rumor Problem:

**"This is an exercise.** Could the Perry Plant radioactivity get into Lake Erie and then into our drinking water? How will we know for sure? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-8
GEAUGA - 440-285-2210	Approximate Time:	1140
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rumor Problem:

Elaine (Richard) Cassidy  
4029 Oak Hill Dr.

**"This is an exercise. Is this disaster a result of all the fuel leaks the plant has had? This is an exercise."**

Ashtabula: North Kingsville  
Geauga: Chesterland  
Lake: Willowick

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-9
GEAUGA - 440-285-2210	Approximate Time:	1150
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Megan (Ralph) Biandi  
19 Kosar Dr.

Ashtabula: Ashtabula Township  
Geauga: Mulberry Corners  
Lake: Mentor

Rumor Problem:

**"This is an exercise.** Is it true that the entire area of all of Lake, Geauga, and Ashtabula counties will have to be evacuated?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-10
GEAUGA - 440-285-2210	Approximate Time:	1200
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Jody (Scott) Washington  
1100 Chestnut Dr.

Ashtabula: Geneva-on-the-Lake  
Geauga: Thompson  
Lake: Perry

Rumor Problem:

**"This is an exercise.** I was going to evacuate my home and go to one of the Red Cross mass care centers, but they won't be there since the whole County will be evacuated. Where can I find a place to stay? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-11
GEAUGA - 440-285-2210	Approximate Time:	1210
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

**Rumor Problem:**

Sue (Rod) Yoder  
79 Nantucket Ct.  
  
Ashtabula: Geneva-on-the-Lake  
Geauga: Thompson  
Lake: Grand River

**"This is an exercise.** I understand that your emergency center is located in the County. Where will we get official word of what's happening when the emergency center evacuates with the rest of the County?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-12
GEAUGA - 440-285-2210	Approximate Time:	1220
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rumor Problem:

Barb (Sam) Crier  
1021 Summer Tree Ave.

**"This is an exercise.** If we are told to evacuate, where should my family and I go? **This is an exercise."**

Ashtabula: Youngstown  
Geauga: Youngstown  
Lake: Cleveland

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-13
GEAUGA - 440-285-2210	Approximate Time:	1230
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Sandy (Dave) Murphy  
3289 Oberlin Dr.

Ashtabula: Geneva-on-the-Lake  
Geauga: Thompson  
Lake: Perry Village

**Rumor Problem:**

**"This is an exercise.** I'm calling from Chicago. My flight to Cleveland is due to arrive around 4:00, which would put me home about 4:30. If an evacuation has been ordered, I won't be able to get home. Will you please send the police or fire department over to my house to pick up my dog, Bailey, and take care of him for me? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-14
GEAUGA - 440-285-2210	Approximate Time:	1240
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rumor Problem:

Sarah (Don) McPherson  
47 Jones Rd.

**"This is an exercise.** I heard the announcement on the radio to evacuate. Does that mean me?

**This is an exercise."**

Ashtabula: Geneva  
Geauga: Thompson  
Lake: North Perry

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-15
GEAUGA - 440-285-2210	Approximate Time:	1250
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Sherry (Ray) Baker  
432 Oak Tree Lane  
  
Ashtabula: Conneaut  
Geauga: Burton  
Lake: Willoughby

Rumor Problem:

**"This is an exercise.** I've been told that the accident at the Perry Plant is getting worse and worse, and that when it's all said and done, it'll be even worse than Chernobyl. Is that true?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-16
GEAUGA - 440-285-2210	Approximate Time:	1300
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Micky (Rob) Ludeke  
83 Blue Bird Lane  
Warren, Ohio

Rumor Problem:

**"This is an exercise.** My family and I are willing to house a family of evacuees, provided there's not more than four of them. Do you want to send a family to us? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-17
GEAUGA - 440-285-2210	Approximate Time:	1330
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Joy (Jason) Craft  
11 Avon Rd.

Ashtabula: Andover  
Geauga: Chesterland  
Lake: Timberlake

Rumor Problem:

**"This is an exercise.** I've been having trouble getting a dial tone on my telephone. Is that the radiation causing that?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-18a
GEAUGA - 440-285-2210	Approximate Time:	1345
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Beatrice (Arthur) Clancy  
321 St. Christopher Dr.  
Harpersfield

Rumor Problem:

**"This is an exercise.** I'm told that the covered bridge in the Ashtabula County Metro Park here in Harpersfield is cracked due to the heavy weight of the traffic caused by the evacuation. Shouldn't it be blocked off? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-18b
GEAUGA - 440-285-2210	Approximate Time:	1345
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Matilda (Tim) Koski  
1945 Overlook Dr.  
Thompson

Rumor Problem:

**"This is an exercise.** A lot of people are leaving Madison and coming down Route 528. I hear that their cars are contaminated, and therefore could make this place worse than it already is. Tell the Geauga emergency management people to stop this, or we'll never be able to live here again. Why are you allowing this to happen? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	AGL-18c
GEAUGA - 440-285-2210	Approximate Time:	1345
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Phyllis (Jim) Williams  
2431 Valley Forge Place  
Mentor

Rumor Problem:

**"This is an exercise.** If I become contaminated with radiation how will I know? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-1
GEAUGA - 440-285-2210	Approximate Time:	1005
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Brandy (Damian) Smith  
Reporter  
Pittsburgh Press  
Pittsburgh, Pennsylvania

Rumor Problem:

**"This is an exercise.** I'm a reporter with the Pittsburgh Press. Have plant officials determined the scope of the accident yet? What is the worst-case scenario? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-2
GEAUGA - 440-285-2210	Approximate Time:	1020
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Rumor Problem:

Refuse to give identity

**"This is an exercise. My children are at Perry Schools should I go pick them up? This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-3
GEAUGA - 440-285-2210	Approximate Time:	1035
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Jean (Calvin) Mendel  
22 Stork Lane  
Painesville

Rumor Problem:

**"This is an exercise.** I am (My wife is) four months pregnant. What effect will the radiation released from the Perry Plant have on my unborn baby? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-4
GEAUGA - 440-285-2210	Approximate Time:	1105
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Marisol (Todd) Taylor  
3427 Red Hawk Rd.  
Perry

Rumor Problem:

**"This is an exercise.** I want to report to the County and State officials that something really bad has happened at the Perry Plant that they're not telling us about. I know because I live right close to the plant, and I saw all the plant employees leaving. They know what's going on, and they're getting out! **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-5
GEAUGA - 440-285-2210	Approximate Time:	1115
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Christina (Brendan) Thorton  
Reporter  
Perry Dispatch  
Perry, OH

**Rumor Problem:**

**"This is an exercise.** This is Christina (Brendan) Thorton, calling for the Perry Dispatch. If the accident at Perry isn't that bad yet, does it have the potential to escalate into something much worse? How would you compare it to Chernobyl? Three Mile Island?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	SAE	
ASHTABULA - 440-576-3419	Message #:	Lake-6
GEAUGA - 440-285-2210	Approximate Time:	1125
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Debbie (Henry) Fagan  
5392 Chatam Rd.  
Waite Hill

Rumor Problem:

**"This is an exercise.** Is it safe for my family to go to the "Spring has Sprung" festival in Thompson? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-7
GEAUGA - 440-285-2210	Approximate Time:	1135
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Gina (Jeff) Elton  
100 Dorothy Dr.  
Mentor-on-the-Lake

**Rumor Problem:**

**"This is an exercise.** Is it true that the Perry Plant employees left, and you're running the plant by remote control from a bunker near Lakeland Community College? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-8
GEAUGA - 440-285-2210	Approximate Time:	1145
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Agatha (Clarence) Weathers  
1400 Georgia Rd.  
Willoughby

Rumor Problem:

**"This is an exercise.** Is the Perry Plant leaking radiation or not?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-9
GEAUGA - 440-285-2210	Approximate Time:	1155
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Lisa (Frank) Ginn  
8300 Meadows Dr.  
Mentor

Rumor Problem:

**"This is an exercise.** I've heard that Mentor Headlands Beach is closed. Is that true? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-10
GEAUGA - 440-285-2210	Approximate Time:	1205
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Doris (Cory) Glenn  
3000 Turtle St.  
Painesville Township

**Rumor Problem:**

**"This is an exercise.** I know that people will be alright after this accident, but I want to know what effect the radiation will have on wildlife such as birds, bees, bugs, ants, raccoons and the like.  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-11
GEAUGA - 440-285-2210	Approximate Time:	1215
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Angel (Larry) Ferris  
600 High St.  
Fairport Harbor

Rumor Problem:

**"This is an exercise.** I just want you to know that I know about the accident at the Perry Plant, and that there are four teen-agers still down at the beach. **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-12
GEAUGA - 440-285-2210	Approximate Time:	1225
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Colleen (Roy) Farrone  
2392 Vermont Circle  
Eastlake

**Rumor Problem:**

**"This is an exercise.** Tell me once and for all, am I supposed to close my grocery store here on Lakeshore Drive in Eastlake or not? **This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES**

**March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-13
GEAUGA - 440-285-2210	Approximate Time:	1235
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Anne (Leroy) McLaughlin  
442 Simpson Rd.  
Kirtland Hills

**Rumor Problem:**

**"This is an exercise.** We've talked it over and decided that there's no real danger to us, but we want to know if we're right. Are we? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-14
GEAUGA - 440-285-2210	Approximate Time:	1245
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Tara (Theodore) Russell  
700 Norman Ave.  
Wickliffe

**Rumor Problem:**

**"This is an exercise.** We live in Wickliffe. Is it true that we won't be affected by what's happening at the Perry Plant?  
**This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-15
GEAUGA - 440-285-2210	Approximate Time:	1255
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Doreen (Martin) Strom  
8976 Kenston Ct.  
Minneapolis, Minnesota  
TX: (999) 555-7231

Rumor Problem:

**"This is an exercise.** I've been trying for hours to get in touch with my sister Irene Murray in Perry at 2276 East Main Street, but can't reach her. Will you contact her and ask that she call me because I'm worried about her? **This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-16
GEAUGA - 440-285-2210	Approximate Time:	1305
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

**Assumed Identity:**

Debbie (Mark) Bell  
783 Stevens St.  
Madison

**Rumor Problem:**

**"This is an exercise.** I want you know we're not as dumb as you think. If you've closed Lake Erie for the rest of the week, then it's a lot worse than you're letting on. Don't lie to the people; tell the truth no matter how painful to you!  
**This is an exercise."**

**RUMOR MONGER NOTES:**

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**PERRY 2000 EVALUATED EXERCISE  
10.3 COUNTY PUBLIC ACCESS/RUMOR CONTROL PROBLEMS**

**PUBLIC ACCESS AND RUMOR CONTROL PROBLEMS  
FOR ASHTABULA, GEAUGA, AND LAKE COUNTIES  
March 21, 2000**

Counties: Emergency Classification:	GE	
ASHTABULA - 440-576-3419	Message #:	Lake-17
GEAUGA - 440-285-2210	Approximate Time:	1325
LAKE - 440-953-5469	Exercise Rumor Monger ID:	_____
440-953-5470		

**DIRECTIONS FOR THE EXERCISE RUMOR MONGER:**

Call the Rumor Control telephone number listed above and tell the person who answers that you "have an exercise message." Then read the Rumor Problem aloud, assuming the identity shown below. Answer any questions and otherwise interact with the Rumor Controller in a manner that is reasonably consistent with the stated problem. Accept reasonable answers (solutions) to the problem; DO NOT confound matters by inserting outlandish or extraneous information. If a call back to you is indicated give the call-back phone number and assumed identity.

Assumed Identity:

Julie (Arthur) Jankowski  
149 Whispering Creek Rd.  
Eastlake

Rumor Problem:

**"This is an exercise. Has the Perry Plant been fixed yet?  
This is an exercise."**

**RUMOR MONGER NOTES:** \_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
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**SECTION 11.0**  
**OFF-SITE SCENARIOS**

**This section contains:**

<u>Section No.</u>	<u>Title</u>
11.1	Potassium Iodide (KI) Demonstration
11.2	Off-site Monitoring/Decontamination Centers and Stations
11.3	Lake County Medical Services Drill
11.4	Data for Evacuation Estimates

## 2000 PERRY EVALUATED EXERCISE

### 11.1 POTASSIUM IODIDE (KI) DEMONSTRATION

#### Purpose

This mini-scenario is intended to ensure that Objective 14, "Implementation of Protective Actions - Use of KI for Emergency Workers...", is fully demonstrated at all field locations where emergency workers are issued dosimetry-KI packets, regardless of decisions about KI during the "in-sequence" exercise proceedings.

#### Scenario

If the Department of Health's decision on KI for emergency workers is negative, i.e., KI is not recommended for emergency workers, then the controllers at each location should ensure that evaluators have full opportunity to evaluate demonstrating agencies and individuals on procedures related to KI. Normally this entails nothing more than questioning by the evaluator with corresponding answers by exercise players. Typically, players will show their bottle of KI tablets and the form to be filled out; they will explain the form, show the KI instruction sheet, indicate when KI would be taken; etc. If this is not sufficient for the evaluator, the exercise controller should orally insert the message to take KI with the lead agency person present.

**2000 PERRY EVALUATED EXERCISE**  
**11.2 OFF-SITE MONITORING/DECONTAMINATION CENTERS AND STATIONS**

**A. Monitoring/Decontamination Centers for the Public**

Demonstrating Fire Departments:

Kirtland Fire Department

Conneaut Fire department

Middlefield Fire Department

At Monitoring/Decontamination Centers for the Public (M/D Cent. Pub.) the exercise controller will arrange for a total of six monitorings. That is, utilizing volunteers or others available, the fire department will conduct six monitorings consecutively. Six monitorings can be accomplished by monitoring: (a) six people one time; (b) three people two times; (c) two people three times; (d) one person six times, or (e) other combination such as four people once and another person twice. Only six monitorings are necessary. Conduct this process in a manner to satisfy the evaluator.

The exercise controller will orally indicate which person being monitored is contaminated. The first five will not be contaminated and the last one will be. For the contaminated person, the exercise controller will orally indicate that the portal monitor screening process shows that the individual is contaminated. Then, when the contaminated person is in the decontamination area being monitored with a CDV-700 Survey Meter, the exercise controller will provide the following data:

0.3 mR/Hour on the palm of both hands

0.2 mR/Hour on the right elbow.

The first attempt at decontamination by washing and clothing removal will be successful and the exercise controller will indicate background readings on monitoring after this step.

The exercise controller should ensure that the exercise evaluator also has opportunity to observe the locker-room area for the opposite gender.

Vehicle monitoring and decontamination procedures will be demonstrated by interview with the representatives from the responsible fire department. If necessary, the exercise controller will inject contamination readings of .4 mR/hr on the front bumper and grill of a vehicle. After decontamination (simulated), the reading on the bumper and grill will be background.

**2000 PERRY EVALUATED EXERCISE**  
**11.2 OFF-SITE MONITORING/DECONTAMINATION CENTERS AND STATIONS**

**B. Monitoring Decontamination Station for Emergency Workers**

Demonstrating Fire Departments:  
Mentor Fire Department

The exercise controller will arrange for two monitorings of people, either two people one time or one person twice. One person (the second) will be contaminated and the exercise controller will inject data in the same manner as described above for the contaminated individual at M/D Cen. Pub.

The first attempt to decontaminate by washing and clothing removal will be successful and the exercise controller will indicate background reading on monitoring after this step.

Vehicle monitoring and decontamination procedures will be demonstrated by interview with the representatives from the responsible fire department. If necessary, the exercise controller will inject contamination readings of .4 mR/hr on the front bumper and grill. After decontamination the readings on the front bumper and grill will be background.

**2000 PERRY EVALUATED EXERCISE  
11.3 LAKE COUNTY MEDICAL SERVICES DRILL**

**OVERVIEW**

The Lake County Emergency Management Agency's medical services drill will be conducted in conjunction with the Perry Nuclear Power Plant on March 21, 2000. The plant will conduct a full scale exercise that will be evaluated by the NRC. As part of that exercise a "mini-scenario" involving a contaminated and injured victim has been developed (refer to Section 9.0 of the Exercise Manual, Plant Mini-Scenario No. 5).

This scenario involves the response of the Perry Township Fire Department to the Perry Plant where they will demonstrate handling of a contaminated and injured victim. The Fire Department ambulance crew will contact the Lake Hospital East (Painesville) and transport the patient to the hospital. No sirens or emergency lights will be employed and traffic laws for normal commercial traffic will be followed.

**OBJECTIVE 20**

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured, or exposed individuals.

**Demonstrating Agency:** Perry Twp. Fire Dept.  
3742 Center Road  
Perry, OH  
Telephone: 440-259-2880  
Contact person: Chief Robert Bates

**Time Exercise Play to be Initiated:** Approximately 0750 hours on March 21, 2000.

**Action Location:** The Perry Nuclear Power Plant  
Unit #1 Controlled Access Area  
10 North Center Road  
Perry, OH

The evaluator should meet the exercise controller/Unit #1 escort at the Primary Access Control Point (PACP) at 0730 hours. (Refer to site map enclosed as Attachment 1.) The evaluator will need identification with a photo included.

**2000 PERRY EVALUATED EXERCISE  
11.3 LAKE COUNTY MEDICAL SERVICES DRILL**

**OBJECTIVE 21**

Demonstrate the adequacy of the equipment, procedures, supplies, and personnel of medical facilities; responsible for treatment of contaminated, injured, or exposed individuals.

**Demonstrating Agency:**     Emergency Department  
                                    Lake East Hospital (Painesville)  
                                    10 East Washington Street  
                                    Painesville, OH

**Directions:**     Corner of East Washington and Liberty Streets;  
                                    Emergency Room entrance on High Street

**Telephone:** 440-354-1685  
**Contact Persons:** Pat Casella or Ron Howard

**Time:** Estimated arrival time of the patient is 0845 hours.

**NOTES:** The Lake East Hospital is designated in the Lake County Radiological Emergency Response Plan as a hospital in support of the general public. The Hospital is also the primary support hospital for the Perry Plant. The Perry Plant offers its health physics resources to the Lake Hospital System for any radiological accident response for which the hospital desires such support.

**Termination of Drill Play:** When the patient has been monitored, decontaminated, treated, and ready for movement to regular treatment areas of the hospital the exercise controller will, with agreement of the evaluator, terminate the drill.





**2000 PERRY EVALUATED EXERCISE  
11.4 LAKE COUNTY MEDICAL SERVICES DRILL**

The attached sheet has data which off-site exercise controllers in each of the three counties (Lake, Ashtabula and Geauga) EOCs will utilize. Controllers will provide EOC staff persons with coordinated data on the percentage of the population that has left the area spontaneously, in response to, or in spite of official protective action decisions.

The exercise controllers with this data will announce to their respective EOC staffs that estimates of population evacuation will not be made-up by them. Rather, any EOC staff person wanting such information will ask the exercise controller who will refer to the attached sheet for the information.

March 21, 2000 Exercise

TIME	Subarea 1	Subarea 2	Subarea 3	Subarea 4	Subarea 5	Subarea 6	Subarea 7
0730							
0800							
1000	Some; too small to estimate	Some; too small to estimate	Some; too small to estimate				
1100	10 to 20%	10 to 20%	10 to 20%	Too small to estimate	Too small to estimate	Too small to estimate	Too small to estimate
1200	40 to 60% and more leaving	40 to 60% and more leaving	40 to 60% and more leaving	About 30%	About 30%	About 30%	About 15%
1300	95%	90%	90%	30%	30%	30%	30%
1400	Virtually All	Virtually All	95%	95%	95%	30%	30%