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August 18, 2003

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Limerick Generating Station, Units 1 & 2  
Facility Operating License Nos. NPF-39 and NPF-85  
NRC Docket Nos. 50-352 and 50-353

Subject: 2003 Emergency Preparedness Exercise Objectives

This letter provides the objectives for the Limerick Generating Station (LGS), Units 1 and 2, 2003 Emergency Preparedness Exercise. The exercise is scheduled to be conducted on November 18, 2003. This exercise is a biennial full participation exercise that involves participation from offsite emergency response agencies. This information is being submitted 90 days prior to the scheduled exercise date in accordance with an NRC letter to Exelon Generation Company (previously PECO Energy Company) dated August 9, 1989, regarding the submittal of "Emergency Exercise Objectives and Scenario Guidelines."

The Emergency Preparedness Exercise objective information attached to this letter is of a confidential nature and is not for public disclosure. The August 9, 1989, letter identifies which individuals should receive copies of the exercise objective information. However, based on discussions with NRC Region I representatives concerning the submittal of exercise objective and scenario information, the objectives for the LGS 2003 Emergency Preparedness Exercise will only be distributed to those individuals involved in evaluating this exercise.

Mr. John W. Karkoska, Manager, Emergency Preparedness, has been designated as your interface for this emergency exercise. Please forward all future correspondence concerning this exercise to him at the address identified below:

Exelon Generation Company  
Emergency Preparedness  
200 Exelon Way, Suite 320  
Kennett Square, PA 19348

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LGS, Units 1 & 2  
2003 Emergency Preparedness Exercise Objectives  
August 18, 2003  
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If you have any questions, please contact Mr. Karkoska directly at (610) 765-5035.

Sincerely,

A handwritten signature in black ink, appearing to read "D. L. Gallagher / m r".

Michael P. Gallagher  
Director – Licensing & Regulatory Affairs  
Exelon Generation Company, LLC

Attachments

cc: H. J. Miller, Administrator, Region I, USNRC (w/o Attachments)  
R. J. Conte, Chief, Human Performance and Emergency Preparedness Branch,  
USNRC, Region I (2 copies of attachments)  
A. L. Burritt, USNRC Senior Resident Inspector, LGS (w/ Attachments)  
Commonwealth of Pennsylvania Emergency Management Agency (w/o Attachments)  
Chairperson, Regional Assistance Committee, FEMA, Region III (w/o Attachments)

## **ATTACHMENTS**

### **Drill/Exercise Objectives**

**ATTACHMENT 1**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD:</b> A	<b>ASSIGNMENT OF RESPONSIBILITY:</b>
<b>OBJECTIVE NUMBER:</b> 01	<b>COMMAND AND CONTROL</b>

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to provide overall command and control of the emergency response by initiating, coordinating and implementing timely and effective decisions during the event. Additionally, demonstrate the management of the ERFs by providing command and control within each facility.

**Frequency**

Annual

**Reference**

NUREG-0654, A.1.d

**Applicability**☐ CR ☐ TSC ☐ OSC ☐ EOF ☐ JPIC**Scenario Requirements**

1. An Alert or higher classification level must be declared.
2. All Emergency Response Facilities are participating or sufficient control cells are established to demonstrate the facility interactions.

**Demonstration Criteria**

1. [CR / TSC / EOF] Non-delegable responsibilities (classification, PARs, notifications or emergency exposure controls, as applicable) were understood, controlled and effectively transferred between facilities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [CR / TSC / OSC / EOF] Station and offsite priorities were effectively maintained, tracked, and updated. ☐ SAT ☐ UNSAT ☐ NO ☐ ND:
3. Ensured facility briefings and communications were focused and concise, and were conducted periodically and as significant events occurred. ☐ SAT ☐ UNSAT ☐ NO ☐ ND:
4. [EOF / JPIC] Provided and controlled the overall interface and coordination with federal, state, and corporate entities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND:

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: A</b>	<b>ASSIGNMENT OF RESPONSIBILITY</b>
<b>OBJECTIVE NUMBER: 01</b>	<b>COMMAND AND CONTROL</b>

5. The facility managers maintained the proper focus:

- [CR] Operation of plant equipment with the focus of protecting the core, minimizing radiological implications, returning to a safe stable state.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
- [TSC] Accident mitigation and prioritization, safety of on-site personnel, and technical support.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
- [OSC] Assembly, staging and coordination of in-plant support, analysis and repair activities.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
- [EOF] External communications and notifications, resource allocation and management for support of onsite and offsite activities, and offsite radiological assessment.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

6. The congestion and noise levels within the ERFs were kept to a minimum.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: A	ASSIGNMENT OF RESPONSIBILITY
OBJECTIVE NUMBER: 02	OPERATIONAL AGREEMENTS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the coordination of the implementation of emergency measures and the exchange of information between the utility and Federal, State and local agencies and other support organizations having an emergency response role within the EPZ.

**Frequency**☐ Annual (State/Local coordination)**Reference**

NUREG-0654, A.3

**Applicability** ☐ EOF**Scenario Requirements**

A Site Area Emergency or General Emergency classification level must be declared.

**Demonstration Criteria**

1. Federal, State and local authorities remain cognizant of the status of the emergency situation. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Contact established with key state agencies. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Communicate applicable information to State and County agencies by phone and/or fax in an accurate and concise manner. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Response activities with federal and state emergency directors were coordinated. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: A	ASSIGNMENT OF RESPONSIBILITY
OBJECTIVE NUMBER: 03	CONTINUOUS OPERATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the capability to establish and maintain continuous (24 hour) operations for a protracted period.

Frequency☐ AnnualReference

NUREG-0654, A.4

Applicability☐ TSC☐ OSC☐ EOF☐ JPICScenario Requirements

An Alert or higher classification level must be declared.

Demonstration Criteria

1. Development of a relief shift schedule adequate to support 24 hour staffing of the emergency response facilities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Facility managers have reviewed and approved the relief schedule. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on back of sheet

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: <b>B</b>	ONSITE EMERGENCY ORGANIZATION
OBJECTIVE NUMBER: <b>01</b>	SHIFT RESPONSE

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability of the normal staff complement to perform the functions of the on-shift ERO.

Frequency☐ AnnualReference

NUREG-0654, B.1

Applicability☐ CRScenario Requirements

None.

Demonstration Criteria

1. On-shift personnel responded quickly to the initiating events and properly interpret instrumentation and assess the situation (~15 minutes to recognize and classify).  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. On-shift personnel took appropriate actions to mitigate the emergency condition based on EOPs and abnormal response procedures.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Control Room personnel knew when to refer to user aids, implementing procedures and which procedures to use.  
☐ SAT ☐ UNSAT
4. Personnel were aware of their emergency response roles and functions.  
☐ SAT ☐ UNSAT



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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
<b>PLANNING STANDARD:</b> B	<b>ONSITE EMERGENCY ORGANIZATION</b>
<b>OBJECTIVE NUMBER:</b> 01	<b>SHIFT RESPONSE</b>

5. If applicable, staff demonstrated timely assembly and briefing of repair/assessment teams prior to OSC activation, including designated Safe Shutdown/ERT personnel.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on the back of sheet)

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
<b>PLANNING STANDARD: B</b>	<b>ONSITE EMERGENCY ORGANIZATION</b>
<b>OBJECTIVE NUMBER: 02</b>	<b>ON-SHIFT EMERGENCY DIRECTION</b>

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the Shift Manager's ability to immediately and unilaterally initiate any emergency response action, including providing protective action recommendations to authorities responsible for implementing offsite emergency measures.

**Frequency**☐ Annual**Reference**

NUREG-0654, B.2

**Applicability**☐ CR**Scenario Requirements**

None

**Demonstration Criteria**

1. The SM (or US) promptly assumed control and authority as Shift Emergency Director. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. The SM initiated prompt and well thought out response actions to implement on-site and off-site assessment and protective response measures. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. If applicable, assistance was requested from appropriate station personnel or off-site emergency response organizations. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: B</b>	<b>ONSITE EMERGENCY ORGANIZATION</b>
<b>OBJECTIVE NUMBER: 03</b>	<b>LINE OF SUCCESSION</b>

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to transfer overall command and control of the emergency response.

**Frequency**☐ Annual**Reference**

NUREG-0654, B.3

**Applicability**☐ CR ☐ TSC ☐ EOF**Scenario Requirements**

An Alert or higher classification level must be declared.

**Demonstration Criteria**

1. Command and Control Turnover Briefing Form was used to coordinate the transfer of Command and Control responsibilities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [TSC / EOF] Ensure key facility personnel understand the event and are ready to assume Command and Control. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Transfer of Command and Control was clearly announced in the facility. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Transfer of Command and Control was clearly communicated to the ERFs. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. [TSC / EOF] The NRC and State authorities were subsequently notified of the transfer in Command and Control responsibilities between facilities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
<b>PLANNING STANDARD:</b> B	<b>ONSITE EMERGENCY ORGANIZATION</b>
<b>OBJECTIVE NUMBER:</b> 03	<b>LINE OF SUCCESSION</b>

6. [CR / TSC / OSC] Personnel dispatched by the Control Room were identified and communicated to the TSC and OSC during turnover.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

7. [CR / OSC] Applicable NLOs and Field/Floor Supervisor (not assigned to FSSD/ERT) were promptly relocated to the OSC when requested.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Key Data**

	<b>TRANSFERRED TO?</b>	
	<b><u>CR → TSC</u></b>	<b><u>TSC → EOF</u></b>
• Transfer occurred at: (time)	_____	_____
• Transfer communicated to CR staff?	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
• Transfer communicated to TSC/OSC staff?	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
• Transfer communicated to EOF staff?	N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO

**Comments:** (Record further comments on the back of sheet)

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: B	ONSITE EMERGENCY ORGANIZATION
OBJECTIVE NUMBER: 04	NON-DELEGABLE RESPONSIBILITIES

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the performance of authority of the non-delegable responsibilities.

Frequency☐ AnnualReference

NUREG-0654, B.4

Applicability☐ CR☐ TSC☐ EOFScenario Requirements

None

Demonstration Criteria

1. Responsibility for offsite notifications was clearly understood between ERFs and properly and clearly documented by ED in C&C following classification declaration / PAR decisions.# ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Responsibility for recommending protective actions (PARs) to authorities was clearly understood between ERFs and properly and clearly documented by ED in C&C. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Responsibility for authorizing emergency worker exposure beyond EPA-400 limits under emergency conditions was clearly understood between ERFs and properly and clearly documented by the Station ED. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Responsibility for authorizing the issuance of thyroid blocking agents to Exelon Nuclear emergency workers was clearly understood between ERFs and properly and clearly documented by the Station ED. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: <b>B</b>	ONSITE EMERGENCY ORGANIZATION
OBJECTIVE NUMBER: <b>05</b>	MINIMUM STAFFING REQUIREMENTS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to augment the on-shift response capabilities within a short period of time.

**Frequency**☐ Annual**Reference**

NUREG-0654, B.5

**Applicability**☐ TSC☐ OSC☐ EOF**Scenario Requirements**

1. Personnel may not be pre-staged in areas they would not normally be located, unless pre-designated.

**Demonstration Criteria**

1. Minimum (60-minute augmentation) staffing is achieved within 60 minutes of an ALERT or higher classification level. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [TSC / EOF] Sufficient staffing is in place prior to the transfer of Command and Control to perform required actions based on event conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Key Data**

(TSC / OSC / EOF – circle one)

1. Event declaration time: \_\_\_\_\_
2. Time minimum staffing requirements were met: \_\_\_\_\_
3. Time facility declared activated: \_\_\_\_\_

Comments: (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: B	ONSITE EMERGENCY ORGANIZATION
OBJECTIVE NUMBER: 06	FULL STAFFING REQUIREMENTS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability of management, administrative and technical support personnel to augment the plant staff in the areas of logistics support, technical support, government interface, and public information.

**Frequency**☐ Annual**Reference**

NUREG-0654, B.7

**Applicability**☐ TSC☐ OSC☐ EOF☐ JPIC**Scenario Requirements**

1. Personnel may not be pre-staged in areas they would not normally be located, unless pre-designated.

**Demonstration Criteria**

1. Full staffing was achieved within 2 hours (except MWROG JPICs: 4 hours).  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [TSC / OSC / EOF] ERO staffing was effectively augmented to address specific technical expertise or logistics support (e.g., welders, engineering, etc.).  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Key Data**

(TSC / OSC / EOF / JPIC – circle one)

1. Event declaration time: \_\_\_\_\_
2. Time full staffing requirements were met: \_\_\_\_\_

Comments: (Record further comments on the back of sheet)

**ATTACHMENT 3**

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: C	EMERGENCY RESPONSE SUPPORT AND RESOURCES
OBJECTIVE NUMBER: 02	COMMUNITY REPRESENTATIVES

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to provide a liaison at each participating offsite governmental emergency operations center (EOC).

**Frequency**☐ Cycle**Reference**

NUREG-0654, C.2.b

**Applicability**☐ TSC☐ EOF**Scenario Requirements**

The off-site agency is participating from their EOC (or at a minimum, a member of the state/local Emergency Management organization is present at the EOC to discuss facility operations with the liaison).

**Demonstration Criteria**

1. [EOF] Assess the need to dispatch Exelon Nuclear EOC liaisons.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

2. [EOF / TSC - MWROG] Obtain and dispatch Exelon Nuclear EOC Liaisons, as applicable.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

3. [EOF] Maintain effective two-way communications with Liaisons once dispatched.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

4. [EOF] Liaisons updated in a timely manner following the issuance of a new classification / PAR notification or significant plant transient occurs.

☐ SAT ☐ UNSAT ☐ NO ☐ ND



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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: <b>C</b>	EMERGENCY RESPONSE SUPPORT AND RESOURCES
OBJECTIVE NUMBER: <b>02</b>	COMMUNITY REPRESENTATIVES

5. Inquiries from Liaisons recorded and responses provided in a timely manner.

☐ SAT ☐ UNSAT ☐ NO ☐ ND
**Key Data**

	<u>Contacted at</u>	<u>Arrived at</u>
IDNS Liaison (MWROG): _____	_____	_____
#1 State EOC Liaison: _____	_____	_____
#2 State EOC Liaison: _____	_____	_____
#1 County EOC Liaison(MWROG): _____	_____	_____
#2 County EOC Liaison(MWROG): _____	_____	_____
#3 County EOC Liaison(MWROG): _____	_____	_____
#4 County EOC Liaison(MWROG): _____	_____	_____

Comments: (Record further comments on the back of sheet)

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: D	EMERGENCY CLASSIFICATION SYSTEM
OBJECTIVE NUMBER: 01	CLASSIFICATION

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to recognize the initiating conditions for the EALs and to properly classify emergencies.

Frequency☐ AnnualReference

NUREG-0654, D.1

Applicability☐ CR☐ TSCScenario Requirements

None .

Demonstration Criteria

1. The appropriate EAL condition associated with a parameter or symptom was recognized.# ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. The correct emergency classification is declared within 15 minutes of the time that the EAL condition was present.# ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Other EAL initiating conditions met have been identified, communicated and tracked. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Potential EAL escalation paths have been discussed and tracked. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: D	EMERGENCY CLASSIFICATION SYSTEM
OBJECTIVE NUMBER: 01	CLASSIFICATION

Key Data

<u>Classification Level</u>	<u>EAL Met</u>	<u>Time Conditions Exceeded</u>	<u>Time Declared</u>
<input type="checkbox"/> Unusual Event	_____	_____	_____
<input type="checkbox"/> Alert	_____	_____	_____
<input type="checkbox"/> Site Area Emergency	_____	_____	_____
<input type="checkbox"/> General Emergency	_____	_____	_____

Comments: (Record further comments on the back of sheet)

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: <b>E</b>	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: <b>01</b>	OFFSITE NOTIFICATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to notify the offsite Emergency Response Organizations consistent with the classification scheme including the verification of messages in a timely manner.

**Frequency**☐ Annual**Reference**

NUREG-0654, E.1

**Applicability**☐ CR ☐ TSC ☐ EOF**Scenario Requirements**

1. At least one State/Local agency must be participating, or a control cell has been established.
2. The scenario supports performance of at least one initial notification (& MWROG – one State update).

**Demonstration Criteria**

1. State/local notifications initiated (i.e., initial roll call completed) within 15 minutes of the conditions requiring notification. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Initial and final roll calls documented. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [MWROG only] NARS calls received from the State per EP-MW-114-100. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Event Notification Form initiated to the NRC immediately after completing NARS notification but within one hour of event classification. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**ATTACHMENT 5**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 01	OFFSITE NOTIFICATIONS

5. [CR] ERDS initiated within one hour of an ALERT declaration.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

6. [TSC] ERDS activation verified, and initiate if not yet activated.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

7. Notification of any parties missing from the initial roll call was promptly initiated.

☐ SAT ☐ UNSAT ☐ NO ☐ ND**Key Data**

1. Initial Notification Messages:

<u>Classification Level</u>	<u>Declaration Time</u>	<u>Form Approved</u>	<u>Initial Roll Call Completed</u>
<input type="checkbox"/> Unusual Event	_____	_____	_____
<input type="checkbox"/> Alert	_____	_____	_____
<input type="checkbox"/> Site Area Emergency	_____	_____	_____
<input type="checkbox"/> General Emergency	_____	_____	_____
<input type="checkbox"/> PAR change	_____	_____	_____

Comments: (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 02	ERO NOTIFICATION

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to alert, notify and mobilize ERO personnel.

**Frequency**☐ Annual**Reference**

NUREG-0654, E.2

**Applicability** ☐ CR**Scenario Requirements**

Scenario results in an Alert or higher emergency classification.

**Demonstration Criteria**

1. Initiation from the Control Room – The following were initiated within 10 minutes of Alert declaration or higher classification:#

- Station PA announcement. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
- Automated ERO Call Out System. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

2. Implementation using Pagers

From a sampling of pager carrying ERO personnel, verify that:

- Correct pager messages were indicated on pagers. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
- Personnel understood the required actions for the codes on the pager message. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 02	SERO NOTIFICATION

**Key Data**

<u>Classification Level</u>	<u>Declaration Time</u>	<u>PA Message at</u>	<u>Call Out Initiated at</u>
<input type="checkbox"/> Unusual Event	_____	_____	_____
<input type="checkbox"/> Alert	_____	_____	_____
<input type="checkbox"/> Site Area Emergency	_____	_____	_____
<input type="checkbox"/> General Emergency	_____	_____	_____

Comments: (Record further comments on the back of sheet)

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
<b>PLANNING STANDARD:</b> E	<b>NOTIFICATION METHODS AND PROCEDURES</b>
<b>OBJECTIVE NUMBER:</b> 03	<b>INITIAL NOTIFICATION MESSAGE CONTENT</b>

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to provide the required content for the initial notification messages timely and accurately.

**Frequency**☐ Annual**Reference**

NUREG-0654, E.3

**Applicability**☐ CR☐ TSC☐ EOF**Scenario Requirements**

1. At least one state/local agency must be participating, or a control cell has been established.
2. Scenario must provide an opportunity to perform PAR notifications (General Emergency)

**Demonstration Criteria**

1. State/local notification form was completed accurately per EP-AA-125-1002.#  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Notification form was approved prior to transmittal.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Responsibility for the completion, approval and transmittal of notification form was clearly understood.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND



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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: E</b>	<b>NOTIFICATION METHODS AND PROCEDURES</b>
<b>OBJECTIVE NUMBER: 03</b>	<b>INITIAL NOTIFICATION MESSAGE CONTENT</b>

**Key Data**

## 1. Event Declarations:

Unusual Event Time: \_\_\_\_\_

Alert Time: \_\_\_\_\_

Site Area Emergency Time: \_\_\_\_\_

General Emergency Time: \_\_\_\_\_

## 2. Initial notification messages:

	UE	Alert	SAE	GE
Number:				
Accurate (✓)				
Approved (✓)				

## 3. PAR notification messages:

	GE	Update	Update	Update
Number:				
Accurate (✓)				
Approved (✓)				

**Comments:** (Record further comments on the back of sheet)

ATTACHMENT 5

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 04	FOLLOW-UP NOTIFICATION MESSAGE CONTENT

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to provide the required content for the follow-up information messages timely and accurately.

Frequency☐ AnnualReference

NUREG-0654, E.4

Applicability☐ CR ☐ TSC ☐ EOFScenario Requirements

At least one State/local agency must be participating, or a control cell has been established.

Demonstration Criteria

1. [EOF] Periodic update to the states performed per EP-MW (MA)-114-100.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. A communicator is assigned, when requested by the NRC, to maintain an open line over the ENS circuit.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [TSC / EOF] A communicator is assigned, when requested by the NRC, to maintain an open line over the HPN circuit.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Adequate resources are present to provide timely and accurate responses to NRC inquiries.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

**ATTACHMENT 5**

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 04	FOLLOW-UP NOTIFICATION MESSAGE CONTENT

**Key Data**

Follow-up notification messages:

Open ENS Line: Requested at: \_\_\_\_\_

• ENS manned at: CR: \_\_\_\_\_ TSC: \_\_\_\_\_ EOF: \_\_\_\_\_

Open HPN Line: Requested at: \_\_\_\_\_

• HPN manned at: TSC: \_\_\_\_\_ EOF: \_\_\_\_\_

State Update / Information Messages:

<u>Reason</u>	<u>Time Issued</u>	<u>Time Since Prev</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments: (Record further comments on the back of sheet)

**ATTACHMENT 5**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 05	PUBLIC NOTIFICATION

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate to ability to develop and issue public information and the ability to provide supporting information to offsite agencies for the development of public messages regarding specific protective actions.

**Frequency**☐ Biennial**Reference**

NUREG-0654, E.7

**Applicability**☐ EOF☐ JPIC**Scenario Requirements**

1. The JPIC must be activated to participate in the demonstration.
2. The scenario must include a release or a General Emergency classification.

**Demonstration Criteria**

1. Written messages consistent with event conditions / classification are provided for dissemination to the public. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [EOF / JPIC] Supporting information is provided to state/local public information personnel for the development of instructions with regard to specific protective actions to be taken by occupants of affected areas. Such messages should include the appropriate aspects of sheltering, ad hoc, respiratory protection, or evacuation. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: E	NOTIFICATION METHODS AND PROCEDURES
OBJECTIVE NUMBER: 05	PUBLIC NOTIFICATION

Key Data

	<u>Completed at</u>	<u>Approved at</u>	<u>Issued at</u>
Release #1	_____	_____	_____
Release #2	_____	_____	_____
Release #3	_____	_____	_____
Release #4	_____	_____	_____
Release #5	_____	_____	_____

Comments: (Record further comments on the back of sheet)

**ATTACHMENT 6**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: F	EMERGENCY COMMUNICATIONS
OBJECTIVE NUMBER: 01	COMMUNICATIONS SYSTEMS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the ability to operate the communications systems used by the ERO.

**Frequency**☐ Annual**Reference**

NUREG-0654, F.1

**Applicability**☐ CR ☐ TSC ☐ OSC ☐ EOF ☐ Field Monitoring Team**Scenario Requirements**

1. An Alert or higher classification level must be declared.
2. The applicable agency is prepared to participate, or controllers are utilized to simulate the applicable activities.
3. Scenario must be long enough to provide the opportunity for full demonstration (~ 2 hours).

**Demonstration Criteria**

1. [CR / TSC / OSC] Damage Control (OSC Team) Line, or similar circuit, established in a timely manner and effectively used to request and track OSC team activities and ERTs dispatched from the Control Room. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [CR / TSC / EOF] Operations Status Line, or similar circuit, established in a timely manner and effectively used to communicate significant changes in plant system and equipment status, station priorities, Control Room activities and event status. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [TSC / EOF] Technical Conference Line, or similar circuit, established in a timely manner and effectively used to communicate accident mitigation strategies, engineering priorities/activities and clarify questions regarding plant / event status. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

ATTACHMENT 6

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: F	EMERGENCY COMMUNICATIONS
OBJECTIVE NUMBER: 01	COMMUNICATIONS SYSTEMS

4. [CR / TSC / EOF] Directors Hotline, or similar circuit, effectively used to coordinate the transfer of responsibility and to communicate changes in event classification, PARs and/or significant plant transients. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. [TSC / EOF / FT] Communicate effectively with Field Monitoring Teams (FT), including: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
- Start and termination of a release
  - Estimated release plume location
  - Significant changes in event status
  - Travel routes
  - Surveys / samples to be taken
  - Survey / sample results properly documented and clearly communicated to TSC / EOF
6. [CR / OSC] Communicate effectively with In-Plant Teams / ERTs, including: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
- Periodic updates provided on plant / event conditions
  - Status tracked and estimated time of task completion revised as applicable

Key Data

	<u>CR</u>	<u>TSC</u>	<u>OSC</u>	<u>EOF</u>
Director's Hotline established at: (MAROG)	_____	_____	N/A	_____
Damage Control Line established at:	_____	_____	_____	N/A
Operations Status Line established at:	_____	_____	N/A	_____
Technical Conf. Line established at:	N/A	_____	N/A	_____
Field Team Communicator assigned at:	N/A	_____	N/A	_____

Comments: (Record further comments on the back of sheet)

ATTACHMENT 7

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: <b>G</b>	PUBLIC EDUCATION AND INFORMATION
OBJECTIVE NUMBER: <b>01</b>	PRIMARY MEDIA ACCOMMODATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to provide points of contact and physical locations for use by the news media at the Joint Public Information Center.

Frequency☐ AnnualReference

NUREG-0654, G.3.a

Applicability☐ JPICScenario Requirements

1. An Alert or higher classification level must be declared.

Demonstration Criteria

1. Access Control is maintained at all entrances to the JPIC.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

2. JPIC telephone operability is tested.

☐ SAT ☐ UNSAT

3. Press Kits and associated information is available to the media.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

4. JPIC is declared operational prior to allowing the media to enter.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

5. Media access to Company and Federal/State work areas was restricted.

☐ SAT ☐ UNSAT ☐ NO ☐ ND



ATTACHMENT 7

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: G	PUBLIC EDUCATION AND INFORMATION
OBJECTIVE NUMBER: 01	PRIMARY MEDIA ACCOMMODATIONS

6. Perform initial media briefing to include when the first press briefing will occur, available facilities, contents of press kit and any applicable handed outs.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
7. Obtain any issued press releases from the ENC/EOF.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
8. Effective communications existed between the ENC/EOF and JPIC regarding the status of event and resolution of inquires and rumors.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: G	PUBLIC EDUCATION AND INFORMATION
OBJECTIVE NUMBER: 02	MEDIA BRIEFINGS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability of the Corporate Spokespersons to brief the media in a clear, accurate and timely manner.

Frequency☐ CycleReference

NUREG-0654, G.4.a

Applicability☐ JPICScenario Requirements

1. Scenario involves activation of the JPIC.
2. EOF is activated or a control cell is used to simulate EOF activities.

Demonstration Criteria

1. Information provided to the media/public is prepared to a level that the public can understand. Visuals and handouts are provided as needed to clarify the information.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Information is up to date and accurate and provide clear differentiation between previous and current information.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Personnel giving the briefings are technically knowledgeable and are able to answer questions quickly and accurately.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Information is coordinated with Federal, State and local agencies to maintain factual consistency.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

**ATTACHMENT 7**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: G</b>	<b>PUBLIC EDUCATION AND INFORMATION</b>
<b>OBJECTIVE NUMBER: 02</b>	<b>MEDIA BRIEFINGS</b>

5. Corrected or supplemental information is promptly released in the event of errors or misinformation in news stories. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Key Data**

1. Event: \_\_\_\_\_
2. Event Time: \_\_\_\_\_
3. Media Briefing Time: \_\_\_\_\_

**Comments:** (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: <b>G</b>	PUBLIC EDUCATION AND INFORMATION
OBJECTIVE NUMBER: <b>03</b>	EXCHANGE OF PUBLIC INFORMATION

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate timely exchange of public information among designated agency spokespersons.

Frequency☐ CycleReference

NUREG-0654, G.4.b

Applicability☐ JPICScenario Requirements

1. Scenario involves the activation of the JPIC.
2. EOF is activated or a control cell is used to simulate EOF activities.

Demonstration Criteria

1. Plant status briefings are obtained from the EOF to ensure accurate and up to date information is provided in news releases. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. News releases are prepared for and approved prior to release. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Information provided in news releases is prepared to the technical level that the public can understand. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Technical content of news releases is approved by the Corporate Emergency Director prior to release. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: G</b>	<b>PUBLIC EDUCATION AND INFORMATION</b>
<b>OBJECTIVE NUMBER: 03</b>	<b>EXCHANGE OF PUBLIC INFORMATION</b>

5. News release information is timely and accurate.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

6. News releases are provided shortly following significant events (such as classification escalations, initiation of a radiological release, and so forth).

☐ SAT ☐ UNSAT ☐ NO ☐ ND

7. News release content and timing is coordinated with Public Information Officers from the State and NRC if present.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: <b>G</b>	PUBLIC EDUCATION AND INFORMATION
OBJECTIVE NUMBER: <b>04</b>	RUMOR CONTROL

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

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

Frequency☐ CycleReference

NUREG-0654, G.4.c

Applicability☐ JPICScenario Requirements

1. Full or Partial participation exercise.
2. Rumor Control staff must be available as part of the controller organization.

Demonstration Criteria

1. Rumor control capabilities were established in a timely manner.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. A telephone number for receipt of calls from concerned citizens, media, and so forth was publicized through news briefings, public information brochures, EAS messages, or other means.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Rumor Control Staff had access to current and accurate information in order to deal with rumors.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. At least six (6) calls per hour, per staffed telephone, were handled following JPIC activation.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. Rumors were logged or otherwise documented in order to evaluate for important trends in rumor related activity.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: <b>G</b>	<b>PUBLIC EDUCATION AND INFORMATION</b>
OBJECTIVE NUMBER: <b>04</b>	<b>RUMOR CONTROL</b>

6. Rumors are reviewed and responded to by appropriate Exelon Nuclear personnel.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
7. Recurring questions/rumors were addressed in subsequent press briefings and news releases.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

Key Data

1. No. of calls taken: \_\_\_\_\_ No. phones: \_\_\_\_\_ Avg. / phone: \_\_\_\_\_

Comments: (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 01	TSC SUPPORT OF EMERGENCY OPERATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the adequacy of the TSC to support emergency response activities.

Frequency☐ AnnualReference

NUREG-0654, H.1

Applicability☐ TSCScenario Requirements

The scenario includes an Alert or higher classification with TSC activation and operations of greater than 2 hours.

Demonstration Criteria

1. Provide periodic (at least hourly) and timely briefings to facility personnel on the following: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
  - plant conditions
  - established priorities
  - accident mitigation/repair activities
  - radiological conditions
  - changes in classifications and PARs
2. Initially establish and periodically revise station priorities based on changes in plant/event conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Identify and track long term recovery issues. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Request the dispatching of OSC Team(s) using the Team Request Form, and effectively establish briefing priority. ☐ SAT ☐ UNSAT ☐ NO ☐ ND



**ATTACHMENT 8**

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**DRILL/EXERCISE OBJECTIVE**

PLANNING STANDARD: H  
OBJECTIVE NUMBER: 01

EMERGENCY FACILITIES AND EQUIPMENT  
TSC SUPPORT OF EMERGENCY OPERATIONS

5. Effectively track OSC Team status, including the withdrawal of teams based on changing or hazardous conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
6. OSC resources effectively identified and reassigned based on established station priorities. ☐ SAT ☐ UNSAT
7. Required engineering support effectively identified and assigned appropriately based on station priorities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
8. TSC personnel have access to a complete set of as-built drawings and other records, including: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
- general arrangement drawings
  - P&IDs
  - electrical schematics
9. The TSC has the capability to record and display vital plant data in real time. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
10. Status Boards are updated at least every 30 minutes. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on the back of sheet)

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 02	EOF SUPPORT OF EMERGENCY OPERATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the adequacy of the EOF to support emergency response activities.

**Frequency**☐ Annual**Reference**

NUREG-0654, H.2

**Applicability**☐ EOF**Scenario Requirements**

The scenario includes an Alert or higher classification with EOF activation and operations of greater than 2 hours.

**Demonstration Criteria**

1. Provide periodic (at least hourly) and timely briefings to facility personnel on the following: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
  - plant conditions
  - established priorities
  - accident mitigation/repair activities
  - radiological conditions
  - changes in classifications and PARs
2. Kept apprised of and made periodic recommendations (as needed) to station priorities based on changes in plant/event conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Identify and track long term recovery issues. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. EOF personnel demonstrate the ability to access plant records, procedures and emergency plans needed for effective overall management of emergency response resources. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: H</b>	<b>EMERGENCY FACILITIES AND EQUIPMENT</b>
<b>OBJECTIVE NUMBER: 02</b>	<b>EOF SUPPORT OF EMERGENCY OPERATIONS</b>

5. EOF equipment has the capability to gather, store and display information to analyze and exchange information on plant conditions with the Station.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
6. EOF technical data system receives, stores, processes and displays information sufficient to perform assessments of actual and potential onsite and offsite environmental consequences of the emergency condition(s).  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
7. Coordinate all company, industry and governmental support activities.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
8. Status Boards are updated at least every 30 minutes.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on the back of sheet)

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 03	OSC SUPPORT OF EMERGENCY OPERATIONS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the adequacy of the OSC to support emergency response activities.

Frequency☐ AnnualReference

NUREG-0654, H.9

Applicability☐ OSCScenario Requirements

The scenario includes an Alert or higher classification.

Demonstration Criteria

1. Provide periodic and timely briefings for OSC personnel on plant conditions, station priorities and on-going OSC Team activities. Briefings shall include OSC personnel located in briefing or muster locations. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. OSC Team briefings were documented and included the following as applicable: ☐ SAT ☐ UNSAT ☐ NO ☐ ND
  - assigned task
  - required equipment
  - required protective equipment
  - radiological concerns (dose/dose rate limits, respirator use information, KI, etc.)
  - travel routes
  - communications methods/expectations.
3. Dispatch of teams is timely considering the team priority and plant conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

ATTACHMENT 8

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 03	OSC SUPPORT OF EMERGENCY OPERATIONS

4. Team status and estimated completion times were tracked on facility status boards, including Control Room teams. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. Maintain OSC resources, including personnel, materials and equipment. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
6. Effective debriefing of OSC Teams performed and documented. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
7. Assign RPTs to perform habitability surveys and support Control Room emergency response teams. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
8. Maintain records of in-plant survey information. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
9. Maintain accumulated exposure records for all essential on-site personnel. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
10. Effectively track radiological conditions on facility status boards. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 04	TIMELY FACILITY ACTIVATION

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to activate the emergency response facilities in a timely manner.

Frequency☐ AnnualReference

NUREG-0654, H.4

Applicability☐ TSC☐ OSC☐ EOF☐ JPICScenario Requirements

1. An Alert or higher classification level must be declared.
2. Personnel may not be pre-staged in areas they would not normally be located, unless designated in scenario.

Demonstration Criteria

Facility staffed and activated in accordance with applicable checklists (EP-AA-112) to include the following:

1. Staffing (Sign-In) Board, or equivalent, used. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Communicators promptly assigned upon arrival and links established. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Status boards updated and electronic logs established. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Required equipment operability checks and set-up performed. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

ATTACHMENT 8

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 04	TIMELY FACILITY ACTIVATION

5. Communications established with counterparts in other facilities.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

6. Initial facility briefing conducted that adequately reviewed event conditions, priorities and facility expectations.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

7. Offsite and company support organizations informed of the facility activation.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

8. Activation status tracked and periodic updates provided to the facility lead.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

9. Facility declared operational within 15 minutes of achieving minimum staffing.

☐ SAT ☐ UNSAT ☐ NO ☐ NDKey Data

	<u>TSC</u>	<u>OSC</u>	<u>EOF</u>	<u>JPIC</u>
Event Declaration Time:	_____	_____	_____	_____
Time declared activated:	_____	_____	_____	_____

**Comments:** (Record further comments on the back of sheet)

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: H	EMERGENCY FACILITIES AND EQUIPMENT
OBJECTIVE NUMBER: 06	METEOROLOGICAL DATA

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to obtain current and forecasted meteorological information from primary as well as back-up and alternate sources.

Frequency☐ AnnualReference

NUREG-0654, H.8

Applicability:☐ CR ☐ TSC ☐ EOFScenario Requirements

An Alert or higher classification level must be declared.

Demonstration Criteria

1. Obtain current meteorological data from the meteorological tower.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

2. [TSC / EOF] Obtain forecasted meteorological data via the NWS, weather contractor, etc.

☐ SAT ☐ UNSAT ☐ NO ☐ ND

3. [TSC / EOF] Obtain meteorological data from external sources (NWS, weather contractor, etc.).

☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)



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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: I	ACCIDENT ASSESSMENT
OBJECTIVE NUMBER: 01	ACCIDENT RECOGNITION AND ASSESSMENT

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to provide initial values and continuing assessment throughout the course of an accident as well as the parameter values that correspond to the initiating conditions for EALs and PARs.

Frequency☐ AnnualReference

NUREG-0654, I.1, I.2

Applicability☐ CR ☐ TSC ☐ EOFScenario Requirements

1. A change in an effluent monitor reading.
2. Changes in plant radiation monitor readings.
3. Changes in plant parameters or external events associated with EAL conditions.

Demonstration Criteria

1. [CR] Review CR panel indications, annunciator alarms and reports from the field.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. [TSC / EOF] Monitor computer data acquisition systems for an overview of major plant system and effluent status.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [TSC] Compare data obtained through assessment to threshold values for EALs.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: I	ACCIDENT ASSESSMENT
OBJECTIVE NUMBER: 01	ACCIDENT RECOGNITION AND ASSESSMENT

4. Perform on-going assessment of conditions and evaluate if a change in classifications, onsite protective actions or PARs is needed.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. [TSC] Evaluate plant information from In-Plant Teams.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
6. [TSC] Evaluate radiological information to make decisions regarding personnel safety, team dispatch and personnel protective actions.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
7. [TSC / EOF] Use chemistry sample information or core damage assessment strategies to confirm event classifications, condition of the reactor, source term assumptions, dose projections and PARs. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

ATTACHMENT 9

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: I	ACCIDENT ASSESSMENT
OBJECTIVE NUMBER: 02	RELEASE AND DOSE ASSESSMENT

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the capability to determine the magnitude of radioactive releases or perform dose assessments based on plant parameters, effluent monitors, field data and meteorological conditions.

Frequency☐ CycleReference

NUREG-0654, I.3, I.4, I.10

Applicability☐ TSC☐ EOFScenario Requirements

1. Scenario must include an effluent radiological release.

Demonstration Criteria

1. Recognize appropriate release paths and core status for source term determinations. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Perform dose projections for the most likely release path, to confirm and refine event classification and PAR determinations. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Determine and utilize appropriate methods of assessment for the conditions described by the scenario (for example, containment failure analysis, release point analysis for unmonitored or GRAB samples, etc. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**ATTACHMENT 9**

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<b>DRILL/EXERCISE OBJECTIVE</b>	
<b>PLANNING STANDARD: I</b>	<b>ACCIDENT ASSESSMENT</b>
<b>OBJECTIVE NUMBER: 02</b>	<b>RELEASE AND DOSE ASSESSMENT</b>

4. Perform comparative analysis of dose assessments with field measurements to refine projections when available. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
5. Air samples obtained by Filed Survey Teams and/or chemistry samples used to define source term. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
6. Dose assessment results are consistent with scenario expectations. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Comments:** (Record further comments on the back of sheet)

ATTACHMENT 10

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<u>DRILL/EXERCISE OBJECTIVE</u>	
PLANNING STANDARD: J	PROTECTIVE RESPONSE
OBJECTIVE NUMBER: 01	WARNING ONSITE PERSONNEL

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the means, within the required time, to alert individuals at the site who do not have emergency assignments (such as visitors, contractor and construction personnel, and persons who may be in the public access areas within the owner controlled area).

Frequency☐ AnnualReference

NUREG-0654, J.1

Applicability☐ CR☐ TSCScenario Requirements

None

Demonstration Criteria

1. A Plant Public Address (PA) System announcement was made within 10 minutes of an event declaration(s), and initiation of personnel accountability/site evacuation.#

☐ SAT ☐ UNSAT ☐ NO ☐ ND

2. Announcements were audible and understandable inside the Protected Area and provided appropriate content (emergency conditions, emergency classification, protective actions if applicable, and so forth).

☐ SAT ☐ UNSAT ☐ NO ☐ ND

3. Effective means used to notify people in a timely manner who may be outside the Protected Area, but within the Owner Controlled Area, of the implementation of site protective measures. #

☐ SAT ☐ UNSAT ☐ NO ☐ ND

**ATTACHMENT 10**

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<b><u>DRILL/EXERCISE OBJECTIVE</u></b>	
PLANNING STANDARD: J	PROTECTIVE RESPONSE
OBJECTIVE NUMBER: 01	WARNING ONSITE PERSONNEL

4. Plant PA System used to notify personnel in-plant of significant changes in radiological or other conditions that may pose a threat to the health and safety of plant personnel. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

**Key Data**

	<u>UE</u>	<u>ALERT</u>	<u>SAE</u>	<u>ACCT.</u>	<u>SITE EVAC.</u>	<u>GE</u>
Event declaration at:	_____	_____	_____	_____	_____	_____
PA announcement at:	_____	_____	_____	_____	_____	_____
Remote PA/Alternate means at:	_____	_____	_____	_____	_____	_____

**Comments:** (Record further comments on the back of sheet)

ATTACHMENT 10

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: J	PROTECTIVE RESPONSE
OBJECTIVE NUMBER: 07	PARS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to recommend protective actions to appropriate offsite authorities.

Frequency☐ AnnualReference

NUREG-0654, J.7

Applicability☐ CR☐ EOFScenario Requirements

Scenario must include events resulting in a General Emergency.

Demonstration Criteria

1. Prepare and communicate PARs within 15 minutes of a General Emergency declaration. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Plant-based PARs are developed using proper plant and current meteorological conditions. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [EOF] Dose-based PARs are determined and compared to plant-based PARs to verify adequacy. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. [EOF] Changes to PARs are recognized within 15 minutes of indication/event (i.e., LOSS of all 3 fission product barriers, wind shift impacting affected subareas, or radiological effluent conditions). ☐ SAT ☐ UNSAT ☐ NO ☐ ND

ATTACHMENT 10

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: J	PROTECTIVE RESPONSE
OBJECTIVE NUMBER: 07	PARS

Key Data

1. General Emergency declaration time: \_\_\_\_\_
2. Plant-based PAR determined at: \_\_\_\_\_
3. Initial dose calculation performed at: \_\_\_\_\_
4. Time initial PARs communicated to off-site: \_\_\_\_\_
5. Time conditions warranting change in PARs recognized: \_\_\_\_\_
6. Time modified PARs communicated to off-site: \_\_\_\_\_

Comments: (Record further comments on the back of sheet)



ATTACHMENT 11

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: K	RADIOLOGICAL EXPOSURE CONTROLS
OBJECTIVE NUMBER: 02	EXPOSURE MONITORING

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ NDDescription

Demonstrate the ability to control and track emergency worker radiation exposure.

Frequency☐ AnnualReference

NUREG-0654, K.3

Applicability☐ OSC☐ Field Monitoring TeamScenario Requirements

None

Demonstration Criteria

1. Equipment and programs are in place to support distribution of Self-Reading dosimeters and TLDs to emergency workers and/or volunteers.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Expected dose to be received by emergency workers and volunteers for a specific activity was determined and appropriate ALARA and other protective measures identified.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. Accumulative exposure for emergency workers and volunteers was effectively tracked and documented.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. Dosimeters were monitored at frequencies appropriate for the simulated conditions.  
☐ SAT ☐ UNSAT ☐ NO ☐ ND

Comments: (Record further comments on the back of sheet)

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DRILL/EXERCISE OBJECTIVE	
PLANNING STANDARD: K	RADIOLOGICAL EXPOSURE CONTROLS
OBJECTIVE NUMBER: 05	HABITABILITY CONTROLS

Drill #: \_\_\_\_\_ Date: \_\_\_\_\_ ☐ SAT ☐ UNSAT ☐ NO ☐ ND**Description**

Demonstrate the capability to minimize ERO internal contamination through ERF habitability controls and controlling the intake of drinking water and food supplies.

**Frequency**☐ Annual**Reference**

NUREG-0654, K.6.b

**Applicability**☐ CR ☐ TSC ☐ OSC**Scenario Requirements**

Scenario includes an airborne release with particulate and/or iodine components.

**Demonstration Criteria**

1. Access control points were established following release or based on release potential. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
2. Periodic radiological surveys are conducted in staffed areas. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
3. [CR / TSC] Ventilation systems are controlled and monitored as applicable to the situation. ☐ SAT ☐ UNSAT ☐ NO ☐ ND
4. When applicable, a ban on eating, drinking, and smoking is provided, until conditions are verified acceptable for resumption of these activities. ☐ SAT ☐ UNSAT ☐ NO ☐ ND

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<b>DRILL/EXERCISE OBJECTIVE</b>	
PLANNING STANDARD: K	RADIOLOGICAL EXPOSURE CONTROLS
OBJECTIVE NUMBER: 05	HABITABILITY CONTROLS

Key Data

	<u>CR</u>	<u>TSC</u>	<u>OSC</u>
• Ventilation to "Emergency" Mode at:	_____	_____	
• Access Control Point established at:	_____	_____	_____
• Ban on eating, drinking & smoking issued at:	_____	_____	_____
• Habitability surveys initiated at:	_____	_____	_____

**Comments:** (Record further comments on the back of sheet)