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10 CFR 50, Appendix E

RS-03-159

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U. S. Nuclear Regulatory Commission

ATTN: Document Control Desk

Washington, DC 20555

Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Clinton Power Station, Unit 1
Facility Operating License NPF-62
NRC Docket Nos. STN 50-461

Dresden Nuclear Power Station, Units 2 and 3
Facility Operating License DPR-19 and DPR-25
NRC Docket Nos. 50-237 and 50-249

LaSalle County Station, Units 1 and 2
Facility Operating License NPF-11 and NPF-18
NRC Docket Nos. 50-373 and 50-374

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Revisions to the Exelon Nuclear Standardized Radiological Emergency Plan Implementing Procedure

In accordance with 10 CFR 50, Appendix E, Section V, "Implementing Procedures," Exelon Generation Company, LLC (EGC) and AmerGen Energy Company (AmerGen) are submitting changes to Exelon procedure, EP-MW-114-100, "MWROG Offsite Notifications," for the Braidwood, Byron, Clinton Power, Dresden Nuclear Power, LaSalle County, and Quad Cities Nuclear Power Stations. The changes to the procedure are required to support the

AD45

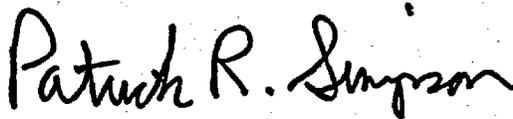
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implementation of the Nuclear Accident Reporting System (NARS) upgrade. These changes were implemented on July 10, 2003, and are being submitted within 30 days of implementation.

Attachment A provides EP-MW-114-100, Revision 2, "MWROG Offsite Notifications."

Should you have any questions concerning this letter, please contact Ms. Marcia Lesniak at 630-657-2814.

Respectfully,



Patrick R. Simpson
Manager – Licensing
Exelon Generation Company, LLC
AmerGen Energy Company, LLC

cc: Regional Administrator – NRC Region III (two copies)
NRC Senior Resident Inspector – Braidwood Station
NRC Senior Resident Inspector – Byron Station
NRC Senior Resident Inspector – Clinton Power Station
NRC Senior Resident Inspector – Dresden Nuclear Power Station
NRC Senior Resident Inspector – LaSalle County Station
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

Attachment A – Exelon Nuclear Procedure, EP-MW-114-100, "MWROG Offsite Notifications"

ATTACHMENT A

EP-MW-114-100, MWROG OFFSITE NOTIFICATIONS

MWROG OFFSITE NOTIFICATIONS

1. PURPOSE

- 1.1 Provide prompt and accurate notification of nuclear station emergencies to local, state and federal agencies.

Completing the NARS Form	REFER to section 4.1
NARS Call Transmittal	REFER to section 4.2
Receiving a NARS Call	REFER to section 4.3
Follow-Up Notifications	REFER to section 4.4

2. TERMS AND DEFINITIONS

- 2.1 Nuclear Accident Reporting System (NARS), is a telecommunication network and form used to transmit information to appropriate State and local agencies within fifteen minutes of event declaration.

3. RESPONSIBILITIES

- 3.1 The Emergency Director in the Emergency Response Facility (ERF) with Command and Control shall ensure that all required notifications and internal communications are performed accurately and in a timely manner.
- 3.2 Operations personnel on shift are responsible for transmitting the State/Local notification over the NARS when the Shift Emergency Director is in Command and Control.
- 3.3 The State/Local Communicator in the TSC is responsible for transmitting the State/Local notification over the NARS when the Station Emergency Director is in Command and Control.
- 3.4 The State/Local Communicator in the EOF is responsible for transmitting the State/Local notification over the NARS when the Corporate Emergency Director is in Command and Control.

4. MAIN BODY

4.1 COMPLETING THE NARS FORM

4.1.1 Utility Message Number – (Utility Only)

1. ENTER a Utility Message Number sequentially, starting with 1, for the event described.
2. ENTER "N/A" if this is a State NARS Message.

4.1.2 State Message Number

1. ENTER the State Message Number when receiving a NARS Message from the State.
2. ENTER "N/A" if this is a Utility NARS Message.

4.1.3 Block 1, Status

1. [A] "ACTUAL" – MARK this block to indicate a notification is being performed based on actual plant conditions.
2. [B] "Drill/Exercise" – MARK this block to indicate a notification is being performed during exercises, drills, training sessions, or communications tests.

4.1.4 Block 2, Station

SELECT the appropriate affected station.

4.1.5 Block 3, Onsite Condition

NOTE: Classification level shall indicate the highest classification level for the site (all units). In situations when one unit is affected by unrelated events, classification is the highest level and other conditions should be noted in the Additional Information section.

MARK the letter corresponding to the classification/condition issued.

4.1.6 Block 4, Accident Classified

NOTE: The time and date are specific to the current classification. When a new NARS form is issued for a change to another part of the form, such as PARS or release status, the time in this block still needs to reflect the time and date of the current classification in effect.

1. ENTER the TIME & DATE that the accident condition was classified and the EAL # that was used for the classification.

2. ENTER "N/A" next to TIME & DATE under ACCIDENT TERMINATED.

4.1.7 Block 4, Accident Terminated

1. ENTER the TIME & DATE that the accident condition was terminated.
2. ENTER "N/A" next to TIME & DATE and EAL # under ACCIDENT CLASSIFIED.

4.1.8 Block 5, Release Status

NOTE: A 'Release Occurring' is defined as ANY radioactive release that is a result of, or associated with, the emergency event.

1. [A] "NONE" – MARK this block to indicate that no release is occurring.
2. [B] "OCCURRING" - MARK this block to indicate that there is a release in progress.
3. [C] "TERMINATED" - MARK this block to indicate that a radioactive release that was OCCURRING has now ended.

4.1.9 Block 6, Type Of Release

1. IF [A] "NONE", was selected in Block 5, THEN MARK [A] "NOT APPLICABLE".
2. IF [B] "OCCURRING", was selected in Block 5, THEN either:
 - MARK [B] "GASEOUS" or
 - MARK [C] "LIQUID" as appropriate.
3. IF [C] "TERMINATED" was selected in Block 5, THEN either:
 - MARK [B] "GASEOUS" or
 - MARK [C] "LIQUID" as appropriate.

NOTE: REFER to EP-MW-110-1001 for a listing of PPDS meteorological data points. CONTACT the National Weather Service (NWS) using the number listed in the ERF Telephone Directory if meteorological data from the site MET Tower is unavailable or inaccessible.

4.1.10 Block 7, Wind Direction

ENTER the wind direction (from) in degrees using the PPDS data point indicating the appropriate level of the tower to match the expected release height.

4.1.11 Block 8, Wind Speed

ENTER the wind speed in either "METERS/SEC" or "MILES/HR" using the PPDS data point indicating the appropriate level of the tower to match the expected release height.

Quad Cities

Fill in both "METERS/SEC" and "MILES/HR".

4.1.12 Block 9, Recommended Actions

NOTE: Do not delete subareas that have been previously identified in Block 9. Recommended subareas may be added, but not deleted by the utility.

1. ENTER Subareas for the appropriate state from the PAR Flowcharts (EP-AA-111, Attachments 2 → 7, as applicable) or as indicated by dose assessment.
2. Blocks [D] through [I] are for State Use Only.

4.1.13 Block 10, Additional Information

1. IF this is the first NARS issued for the event, THEN enter "None".
2. IF a subsequent NARS form is being issued because of a change in the classification level, THEN enter "None".
3. IF a subsequent NARS form is being issued because of a change in one of the conditions listed below but the classification level of the event remains the same, THEN the changed condition should be briefly explained.
 - Change in Release Status
 - Change in PARs
 - Change in affected Subareas
 - Corrections are being made to a previously issued NARS
4. IF the other unit is in a lower classification, THEN note the unit and EAL.

4.1.14 Blocks 11 and 12

These blocks record name, organization, date and time of message transmission/receipt. These Blocks are not completed during the preparation of the NARS form. Completion of Blocks 11 and 12 is performed by the Communicator reading the message over the NARS telephone system.

4.1.15 APPROVAL BLOCK

1. **OBTAIN** approval from the Emergency Director in Command & Control prior to transmission of the NARS form.

- Control Room → Shift Manager
- TSC → Station Emergency Director
- EOF → Corporate Emergency Director

2. "Verified with:" is for state use.

4.2 NARS CALL TRANSMITTAL

NOTE: Dialing the NARS phone code activates a conference bridge. A brief pause will occur prior to connection once the desired code has been entered. A "beep" will indicate when a party joins the bridge.

4.2.1 Using the Roll Call Box for the affected station on Page 2 of the NARS Form, **DIAL** the appropriate code on the NARS telephone.

1. **IF** a busy signal is received after dialing the code, **DIAL 50** to enter the bridge. **ANNOUNCE** who you are and the reason for your call.

2. **IF** the NARS network fails, **THEN:**

NOTE: Commercial telephone numbers for the State are listed on Page 2 of the NARS Form. Other contacted agencies are listed in Section (Tab) 10 of the ERF Telephone Directory.

A. **CONTACT** the agencies that are noted as "Required to be Notified within 15 minutes". This is denoted next to the roll call listing for each NARS Code on the back of the NARS Form.

B. **CONTACT** all other agencies that are a part of the roll call listing for the NARS call.

4.2.2 Following a short pause and a 'beep' indicating you are connected to the bridge, **READ** the following message:

"This is the Exelon Nuclear [Station and Facility originating the call]. Please standby for a NARS message."

NOTE: State and local agency phone will ring after entering the NARS code. Once they receive a 'beep' they will identify themselves as on the line.

4.2.3 As the agencies respond to the call, **READ** the following message:

"This is the Exelon Nuclear [Station and Facility originating the call] Please standby to receive a NARS message and respond as the roll is called."

- 4.2.4 **WAIT** a short period of time to allow the appropriate agencies to join the bridge.
- 4.2.5 **CONDUCT** an initial roll call for the agencies listed under the NARS code used on the back of the NARS form. **CHECK** them **OFF** as they respond to the roll call.
- 4.2.6 **NOTE** any agencies that do not answer the roll.
These agencies will need to be contacted separately after the completion of the NARS call.
- 4.2.7 Fill in the box in the center section of Page 2 of the NARS Form under the heading "INITIAL ROLL CALL COMPLETE".
- The Time and Date entered in this box correspond to the completion of the initial roll call and the 15-minute clock for the NARS notification.
- 4.2.8 **READ** the NARS message.
1. Read the blocks 1-10 one at a time; stating the number, the title, the letter (if appropriate) and the description.
 2. Use the Phonetic Alphabet for clarity, speak slowly and clearly.
- 4.2.9 **COMPLETE** Sections 11 and 12 on the NARS form as you get to them. Communicate the information you put into these blocks to the personnel on the NARS call.
1. Section 11, **MARK [A] Exelon**. **ENTER** your name and an outside phone number that the state agencies can use to call back if necessary.
 2. Section 12, **ASK** for the name of the IEMA representative that received the NARS message, then **ENTER** this information on the NARS form.
- 4.2.10 **REPEAT** the roll call for each agency listed under the NARS code used and:
1. **ASK** if there are any questions about the information provided.
 2. **CLARIFY** NARS message data questions at this time.
- 4.2.11 **IF** any agency does not answer the final roll-call, **THEN CONTACT** that agency via commercial telephone line.
1. **USE** the ERF Telephone Directory to find the commercial telephone numbers needed.
 2. **CALL** any agency listed as **REQUIRED TO BE NOTIFIED** immediately.
 3. - **CALL** any other agency that did not answer the NARS call.

4. - **INFORM** the Emergency Director of all non-contacts on the NARS network.

4.2.12 **STANDBY** to receive NARS verification call backs from the affected state agencies.

4.2.13 **STANDBY** to receive State NARS calls, initiated by IEMA (Instructions for receiving a NARS Message are found in section 4.3).

4.3 RECEIVING A NARS MESSAGE

NOTE: IF the phone is not answered within 45 seconds and stops ringing, **DIAL 50** to enter the bridge. **ANNOUNCE** that you are on the bridge.

NOTE: The State of Iowa receives the Utility NARS message but does not use this system to communicate back to their Local Counties and agencies.

Following the issuance of a Utility NARS message, the State of Illinois has two possible return calls they make back that could involve the affected site.

- **Confirmation Call** - IEMA may call back to the Utility to confirm the authenticity of the Utility NARS message prior to their taking action on the message. This call should come into the number listed as the "Outside Phone Number" in Block 11 of the NARS form. When receiving this call, answer IEMA's questions pertaining to the call.
- **State NARS Message** - Following the issuance of a Utility NARS Message, the State of Illinois will use the NARS, as necessary, to communicate the information provided by the Utility and their recommendations to the Local and County organizations in the affected area.

NOTE: If the NARS line is not answered within 45 seconds for an incoming call, it will stop ringing.

4.3.1 **ANSWER** the NARS phone when it rings.

1. IF a busy signal is received, **DIAL 50** to enter the bridge.
2. **ANNOUNCE** who you are following the connect 'beep.'

4.3.2 **RESPOND** to the Roll Call as read by the state communicator.

4.3.3 **DOCUMENT** the information provided on the NARS form. Do not ask questions as the information is being provided, an opportunity to ask questions will be provided at the end of the call.

4.3.4 **RESPOND** to IEMA's query for an Exelon Nuclear representative in Block 12 of the NARS form.

4.3.5 **ASK** questions of the state communicator when they indicate the opportunity to do so. Clarify information provided as needed and specifically any information that differed from the information that was provided by the Utility.

4.3.6 **DISTRIBUTE** the completed State NARS Message.

4.4 FOLLOW-UP NOTIFICATIONS

NOTE: State Updates are required at the top of the hour, plus or minus ten minutes, starting in the second hour following a classification of Alert or higher.

State Updates are normally performed by personnel located in the EOF, regardless of which facility has Command and Control of the event. However, the facility in Command and Control is responsible for ensuring that the updates are completed.

Commercial telephone numbers for the State and all other contacted agencies are listed in Section (Tab) 10 of the ERF Telephone Directory.

4.4.1 **OBTAIN** update data as required for:

1. Attachment 2, "Management State Update Information (PWR)"
2. Attachment 3, "Management State Update Information (BWR)"
3. Attachment 4, "Radiological State Update Information"

4.4.2 **CONTACT** State agency personnel (by the State Decision-Makers Hotline or from the numbers provided in the ERF Telephone Directory) and **DISCUSS** the event.

1. For Illinois only, use the IL State Decision-Makers Hotline or commercial line to contact the REAC Commander.
2. For Quad Cities events, use the QC State Decision-Makers Hotline or commercial line to contact the REAC Commander and the Iowa EM Department simultaneously.
 - The Corporate Emergency Director should contact the REAC Commander and **DISCUSS** the information on EP-MW-114-100, Attachment 4 or 5, as appropriate.

4.4.3 **DIRECT** the State Environmental Coordinator to contact the applicable state counterparts and discuss the information on EP-MW-114-100, Attachment 4.

1. For Illinois only, contact the REAC Environmental Analyst, (call the number listed for REAC and ask for the Environmental Analyst).

2. For Quad Cities events, contact separately both the REAC Environmental Analyst and the IEMD Health Physics Hotline.

5. **DOCUMENTATION**

None

6. **REFERENCES**

None

7. **ATTACHMENTS**

- 7.1 Attachment 1, Nuclear Accident Reporting System (NARS) Form
- 7.2 Attachment 2, Management State Update Information (PWR)
- 7.3 Attachment 3, Management State Update Information (BWR)
- 7.4 Attachment 4, Radiological State Update Information

ATTACHMENT 1

NUCLEAR ACCIDENT REPORTING SYSTEM (NARS)

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UTILITY MESSAGE NO. _____

STATE MESSAGE NO. _____

- 1. **STATUS**
 [A] ACTUAL
 [B] DRILL/EXERCISE
- 2. **STATION**
 [A] BRAIDWOOD [C] CLINTON [E] LASALLE [G] ZION
 [B] BYRON [D] DRESDEN [F] QUAD CITIES

- 3. **ONSITE CONDITION**
 [A] UNUSUAL EVENT
 [B] ALERT
 [C] SITE AREA EMERGENCY
 [D] GENERAL EMERGENCY
 [E] RECOVERY
 [F] TERMINATED
- 4. **ACCIDENT CLASSIFIED**
 TIME: _____
 DATE: _____
 EAL#: _____
- ACCIDENT TERMINATED**
 TIME: _____
 DATE: _____

- 5. **RELEASE STATUS**
 [A] NONE
 [B] OCCURRING
 [C] TERMINATED
- 6. **TYPE OF RELEASE**
 [A] NOT APPLICABLE
 [B] GASEOUS
 [C] LIQUID
- 7. **WIND DIR**

 (DEGREES FROM)
- 8. **WIND SPEED**
 [A] METERS/SEC.: _____
 [B] MILES/HR.: _____

- 9. **RECOMMENDED ACTIONS**
UTILITY RECOMMENDATION
 [A] NONE
 [B] EVACUATE SUB-AREAS (ILLINOIS): _____
 [C] EVACUATE SUB-AREAS (IOWA): _____
STATE RECOMMENDATION
 [D] NONE
 [E] SHELTER SUB-AREAS: _____
 [F] EVACUATE SUB-AREAS: _____
 [G] RECOMMEND POTASSIUM IODIDE (KI) PER PROCEDURES
 [H] COMMENCE RETURN OF PUBLIC
 [I] OTHER _____

10. **ADDITIONAL INFORMATION** _____

11. TRANSMITTED BY:	<u>NAME</u>	<u>PHONE NUMBER</u>	<u>TIME/DATE</u>
[A] EXELON:	_____	_____	_____
[B] STATE:	_____	_____	_____
[C] COUNTY:	_____	_____	_____

12. RECEIVED BY:	<u>NAME</u>	<u>ORGANIZATION</u>	<u>TIME/DATE</u>
_____	_____	_____	_____

	<u>NAME</u>	<u>ORGANIZATION</u>
Approved By:	_____	_____
Verified With:	_____	_____

ATTACHMENT 1

NUCLEAR ACCIDENT REPORTING SYSTEM (NARS)

ROLL CALL
Initial Roll Call Complete:

(time / date)

Braidwood
(UE, Alert, Site Area and
escalated Generals)
NARS Code 20

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 38

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# Grundy Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Kankakee Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Will County Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	Grundy Co. EMA		<input type="checkbox"/>
	<input type="checkbox"/>	Kankakee Co. EOC		<input type="checkbox"/>
	<input type="checkbox"/>	Will Co. EOC		<input type="checkbox"/>

Clinton
(UE, Alert, Site Area and
escalated Generals)
NARS Code 98

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 36

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# DeWitt Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	DeWitt Co. EOC		<input type="checkbox"/>

LaSalle
(UE, Alert, Site Area and
escalated Generals)
NARS Code 20

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 25

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# Grundy Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# LaSalle Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	Grundy Co. EMA		<input type="checkbox"/>
	<input type="checkbox"/>	LaSalle Co. ESDA		<input type="checkbox"/>

Byron
(UE, Alert, Site Area and
escalated Generals)
NARS Code 20

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 37

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	#-1 Ogle Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	#-1 Rochelle Police		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	Ogle Co. ESDA		<input type="checkbox"/>
	<input type="checkbox"/>	Ogle Co. EOC		<input type="checkbox"/>

Dresden
(UE, Alert, Site Area and
escalated Generals)
NARS Code 20

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 22

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# Grundy Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Kendall Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Will County Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	Grundy Co. EMA		<input type="checkbox"/>
	<input type="checkbox"/>	Kendall Co. EOC		<input type="checkbox"/>
	<input type="checkbox"/>	Will Co. EOC		<input type="checkbox"/>

Quad Cities
(UE, Alert, Site Area and
escalated General Emergencies)
NARS Code 43

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# Iowa EMD		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>
	<input type="checkbox"/>	Scott Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Clinton Co. EOC		<input type="checkbox"/>

(Initial General Emergency Only)
NARS Code 23

Initial	<input type="checkbox"/>	# Illinois EMA	Final	<input type="checkbox"/>
	<input type="checkbox"/>	# Iowa EMD		<input type="checkbox"/>
	<input type="checkbox"/>	# Clinton Co. EOC		<input type="checkbox"/>
	<input type="checkbox"/>	# Rock Island Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Whiteside Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	# Scott Co. Sheriff		<input type="checkbox"/>
	<input type="checkbox"/>	Whiteside Co. ESDA		<input type="checkbox"/>
	<input type="checkbox"/>	Rock Island ESDA		<input type="checkbox"/>
	<input type="checkbox"/>	Illinois DNS		<input type="checkbox"/>

Commercial numbers:
IEMA 217-782-7860
IDNS 217-785-0600
(QC only)
Iowa EMD 515-281-3231

NOTE: # Indicates that this agency is required to be notified within 15 minutes.

#-1, Only one needs to answer for notification

ATTACHMENT 2

MANAGEMENT STATE UPDATE INFORMATION (PWR)

Page 1 of 1

√	ITEM	STATUS/COMMENTS
	Command & Control	CR - TSC - EOF
	Current EAL	EAL Code _____ Time _____
	Current PARs	None / Evacuate _____
	Priorities	1. 2. 3. 4. 5.
	Reactor Status: Subcritical	No _____ Yes _____ Time _____
	Core Cooling RTM-96 (A.1)	Average 10 highest CETC temperature _____ °F Temperature Trend = Inc / Dec / Stable
	Subcooling Margin RTM-96 (A.2) If NOT Subcooled: RTM-96 (A.3)	RVLIS Head _____ % Plenum _____ % Core COVERED / NOT COVERED / UNKNOWN Subcooled _____ °F / Saturated Estimated time to Clad Damage _____ Estimated time to Core Damage _____ Subcooling Margin Trend = Inc / Dec / Stable
	Containment Rad RTM-96 (A.4)	Expected / Elevated _____ R/hr
	Containment H ² RTM-96 (A.6)	Expected / Elevated _____ %
	Core Status	Intact / Clad Damage / Fuel Damage
	Containment Sprays	On _____ / Off _____
	Release Status: Current	None / In Progress / Terminated / Monitored / Unmonitored / Filtered / Unfiltered
	Projected	Release occurs in: < 1 hour / 2 - 12 hours / > 12 hours Filtered / Unfiltered / Intentional Venting

Point History ID Points:

Station	Subcritical	Vessel Lvl	CETC	Subcool	Cont Rad	Hydrogen	Sprays
BRW 1	N0031, 2	LD0501-16	X0113	X0190	AM012	Y2021, 22	
BRW 2	N0031, 2	LD0501-16	X0113	X0190	AM013	Y2021, 22	
BYR 1	N0031, 2	LD0501-16	X0113	X0190	AM012	Y2021, 22	
BYR 2	N0031, 2	LD0501-16	X0113	X0190	AM013	Y2021, 22	

ATTACHMENT 3
MANAGEMENT STATE UPDATE INFORMATION (BWR)
Page 1 of 1

√	ITEM	STATUS/COMMENTS
	Command & Control	CR - TSC - EOF
	Current EAL	EAL Code _____ Time _____
	Current PARs	None / Evacuate _____
	Priorities	1. 2. 3. 4. 5.
	Reactor Status: Subcritical	No _____ Yes _____ Time _____
	Core Cooling RTM-96 (A.1)	Vessel Level: >TOAF / >2/3 Core / <2/3 Core / UNKNOWN Level Trend = Inc / Dec / Stable
	IF < TOAF RTM-96 (A.3)	Estimated time to Clad Damage _____ Estimated time to Core Damage _____
	Drywell Rad RTM-96 (A.4)	Expected / Elevated _____ R/hr
	Drywell H ² RTM-96 (A.6)	Expected / Elevated _____ %
	Core Status	Intact / Clad Damage / Fuel Damage
	Containment Sprays	On _____ / Off _____
	Release Status: Current	None / In Progress / Terminated / Monitored / Unmonitored / Filtered / Unfiltered
	Projected	Release occurs in: < 1 hour / 2 - 12 hours / > 12 hours Filtered / Unfiltered / Intentional Venting

Point History ID Points:

Station	Subcritical	Vessel Lvl	Cont Rad	Hydrogen	Sprays
DRE 2	B272-5	D612	R205, R224	C250	
DRE 3	B372-5	D712	R305, R324	C350	
LAS 1	F476-9	C013	A814, A836	A810	
LAS 2	F476-9	C013	A814, A836	A810	
QAD 1	B172-5	D612	R122, 123	C167	
QAD 2	B272-5	D712	R222, 223	C267	

ATTACHMENT 4

RADIOLOGICAL STATE UPDATE INFORMATION

Page 1 of 1

√	ITEM	STATUS/COMMENTS
	Command & Control	CR - TSC - EOF
	Current EAL	EAL Code _____ Time _____
	Current PARs	None / Evacuate _____
	Release Status: Current Projected	None / In Progress / Terminated / Monitored / Unmonitored / Filtered / Unfiltered <hr/> Release occurs in: < 1 hour / 2 - 12 hours / > 12 hours Filtered / Unfiltered / Intentional Venting
	Dose Projection Calculation Data: Magnitude Duration % Removal Reactor Sub-critical Release Start Core Status Containment Sprays	_____ uCi/sec _____ Minutes / Hours (Best Estimate) _____ % Iodine / _____ % Particulate _____ Time _____ Estimated / Actual Intact / Clad Damage / Fuel Damage On / Off
	Field Team Data	Field Measurement Results _____ Location _____ time _____ Field Measurement Results _____ Location _____ time _____ Field Measurement Results _____ Location _____ time _____
	Current Location	_____ Team / Location _____ _____ Team / Location _____ _____ Team / Location _____ _____ Team / Location _____