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DAEC EMERGENCY PLANNING DEPARTMENT PROCEDURE TRANSMITTAL ACKNOWLEDGEMENT MEMO (TAM-55)

To: NRC-NRR Document Control Desk
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Washington DC 20555

Re: Entire EPIP Document (Copy 28)

PSM Title: n/a

Distribution Date: 07 / 31 / 2003
Effective Date of Change: 08 / 05 / 2003
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Please perform the following to your assigned manual. If you have any questions regarding this TAM please contact Don A. Johnson at 319-851-7872.

	REMOVE Rev. 138	INSERT Rev. 139
EPIP Table of Contents Revision		
EPIP 1.1 (PWR: 20824)	Rev. 19	Rev. 20
EPIP EAL-03 (PWR: 21687)	Rev. 2	Rev. 3
EPIP EAL-05 (PWR: 21692)	Rev. n/a	Rev. 0
EPIP NOTE-05 (PWR: 21824)	Rev. 6	Rev. 7

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Please return to: K. Dunlap
PSC/Emergency Planning
3313 DAEC Rd.
Palo, IA 52324

To be completed by DAEC EP personnel only:

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A045

EMERGENCY PLAN IMPLEMENTING PROCEDURE	EPIP 1.1
DETERMINATION OF EMERGENCY ACTION LEVELS	Rev. 20 Page 1 of 9

Usage Level
REFERENCE

Effective Date: 8/5/03

TECHNICAL REVIEW	
Prepared and Verified by: <u>Thom Huelsh</u>	Date: <u>7/7/03</u>
Validated by: <u>Thomas J. [Signature]</u> Emergency Planning Staff	Date: <u>7/4/03</u>

PROCEDURE APPROVAL	
I am responsible for the technical content of this procedure.	
Approved by: <u>Carol Sullivan</u> Manager, Emergency Planning	Date: <u>7/8/03</u>

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1.0 PURPOSE

- (1) Provides guidance to the Operations Shift Manager (OSM), Emergency Coordinator (EC), or Emergency Response and Recovery Director (ER&RD), as applicable, when determining a need to declare or retract an emergency event at DAEC.

2.0 DEFINITIONS

- (1) **Emergency Action Level (EAL)** - A pre-determined, site-specific, observable threshold for a plant Initiating Condition that places the plant in a given Emergency Classification Level. An EAL can be: an instrument reading, an equipment status indicator, a measurable parameter (on-site or off-site), a discrete observable event, results of analyses, entry into specific emergency operating procedures, or another phenomenon which, if it occurs, indicates entry into a particular Emergency Classification Level.
- (2) **EAL Technical Basis Document** - This document was developed to :
 - Provide clear documentation of how NEI generic guidance was applied in the development of DAEC upgraded EALs.
 - Provide justification of any exceptions or additions to NEI generic guidance as it is applied to DAEC.
 - Facilitate the regulatory approval of the upgraded EALs that is required under 10CFR50 Appendix E.
- (3) **Emergency Classification Level** - These are taken from 10CFR50 Appendix E. They are, in escalating order :
 - **(Notification of) Unusual Event (UE):** Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant/ISFSI. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety systems occurs.
 - **Alert:** Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant/ISFSI. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
 - **Site Area Emergency (SAE):** Events are in progress or have occurred which involve an actual or likely major failure of plant functions needed for the protection of the public. Any release is not expected to exceed EPA Protective Action Guideline exposure levels except near the site

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boundary.

- **General Emergency (GE):** Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting, with potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Guideline exposure levels offsite for more than the immediate site area.
- (4) **ISFSI** – Independent Spent Fuel Storage Installation facility and associated cask loading and storage activities.
- (5) **Retraction** - The recanting of an Emergency Action Level that was declared due to an indeterminate condition.

3.0 INSTRUCTIONS

3.1 OVERVIEW

- (1) The Control Room, TSC, and EOF staff shall evaluate plant/ISFSI conditions to determine whether any EAL Threshold Values have been met. The OSM/EC/ER&RD should declare the appropriate EAL within 15 minutes once indications are available that the Threshold Value for an EAL has been exceeded.
- (2) The OSM/EC/ER&RD shall ensure requisite notifications are made within the 15-minute requirement, per EPIP 1.2 'Notification'.
- (3) Plant assembly and site evacuation decisions shall be made in accordance with EPIP 1.3, 'Plant Assembly and Site Evacuation'.
- (4) The EC/OSM/ER&RD shall review and approve the emergency classification to determine if events/conditions have changed that may warrant upgrade, declassification, termination or retraction.
- (5) The EC/OSM/ER&RD shall ensure activation of the Emergency Response Organization is underway/completed, as required.
- (6) If an EAL has been declared due to an indeterminate condition and subsequent investigation/evaluation discovers the condition did not exist, the event may be retracted. Notifications shall be made per EPIP 1.2 'Notification'.

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3.2 EVENT CLASSIFICATION

- (1) Emergency conditions are classified in an ascending order of severity as follows:
 - NOTIFICATION OF UNUSUAL EVENT (Recognition Category AU, FU, HU, SU, EU)
 - ALERT (Recognition Category AA, FA, HA, SA)
 - SITE AREA EMERGENCY (Recognition Category AS, FS, HS, SS)
 - GENERAL EMERGENCY (Recognition Category AG, FG, HG, SG)
- (2) When a suspected emergency condition occurs, the EC/OSM/ER&RD and their associated staff, shall make the initial analysis and determination of the classification, referring to the appropriate EAL tables in Appendix 1 and the EAL Basis Document. The appropriate EAL should be declared within 15 minutes once indications are available that the Threshold Value for an EAL has been exceeded. Appendix 1 of the EPIP's contains the five tables, EAL-01 through EAL-05, covering Emergency Action Levels.
- (3) To determine an EAL: Categorize the general type of event, referring to the EAL tables, verify determinations by referring to the EAL Technical Basis Document.
- (4) If the OSM has been fulfilling the responsibilities of the EC, upon declaring the emergency classification, the event, the time declared and the action(s) taken shall be logged in the Shift Manager's Log.
- (5) Other events not specifically included in this procedure which may be based on plant/ISFSI prognosis, weather, or other external events, as well as events that have a high likelihood of occurrence may be classified as a NOTIFICATION OF UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY or GENERAL EMERGENCY at the discretion of the EC/OSM/ER&RD. The primary consideration for classification of these events shall be to protect the health and safety of site personnel and the public.
- (6) The highest emergency classification for which an Emergency Action Level (EAL) is CURRENTLY met should be declared.
 - If an action level for a higher classification was exceeded, but the situation has been resolved prior to offsite reporting, the higher classification level should be REPORTED to the offsite agencies and the NRC, but SHOULD NOT be declared.
 - The notification must indicate the CURRENT classification, the period of time that the higher classification existed and the mitigating conditions that caused the reduction in the emergency classification.

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(7) Reclassification shall be reviewed and approved by the EC/OSM/ER&RD.

- Reclassification should be based upon the guidance provided in the EAL Tables and Reference 1.
- The EC/OSM should consult with the following personnel, if available, during such evaluations:
 - Site Radiation Protection Coordinator (SRPC)
 - TSC Operations Supervisor
 - Tech and Engineering Supervisor
 - Emergency Response and Recovery Director
- The ER&RD should consult with the following personnel:
 - Assistant ER&RD
 - Emergency Coordinator
 - EOF OPS Liaison
- The EC/OSM shall ensure that offsite agencies are notified of the reclassification in accordance with EPIP 1.2, 'Notification'. If the Emergency Operations Facility (EOF) has been declared operational, the ER&RD shall assume this responsibility, unless otherwise advised.
- If the OSM is fulfilling the responsibilities of the EC, reclassification of an event shall be documented in the Operations Shift Manager's Log or the TSC Supervisor's Log as appropriate.

(8) As plant/ISFSI conditions change, the EC/OSM/ER&RD shall ensure that plant/ISFSI status is monitored and the EAL Tables and EAL Basis Document are constantly consulted in order to adjust the emergency classification, as appropriate. The appropriate EAL should be declared within 15 minutes once indications are available that the Threshold Value for an EAL has been exceeded.

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3.3 CRITERIA FOR EMERGENCY CLASSIFICATION CHANGES

(1) As plant/ISFSI conditions change, consider :

- The probability that plant/ISFSI conditions will continue to improve.
- The probability that plant/ISFSI conditions might worsen, thereby necessitating upgrading the emergency classification once the emergency has been downgraded.
- The need to staff all or some of the emergency response facilities.
- Evaluating existing conditions with respect to the criteria established for each emergency classification per the EAL Tables.
- The control or termination of non-routine releases of radioactive material to the environment.
- The control or cessation of any fire, flood, earthquake, or similar emergency conditions.
- The specified corrective action has been taken, or the plant has been placed in the appropriate operating mode.
- All required notifications are completed.
- The TSC technical staff has evaluated the plant/ISFSI status with respect to the Technical Specifications/applicable 10CFR 72 Certificate of Compliance requirements and recommends downgrading the emergency classification.

(2) An emergency condition can be considered resolved, and a Recovery Organization established, if necessary, when the following guidelines have been met or addressed:

- Existing conditions no longer meet the emergency classification criteria and it appears unlikely that conditions will deteriorate further.
- No surveillance relative to offsite protective actions is needed, except for the control of foodstuffs, water, and offsite contamination, or environmental assessment activities.

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- Radiation levels in affected in-plant/ISFSI areas are stable or decreasing to acceptable levels.
- Releases of radioactive material to the environment are under control or have ceased.
- No Emergency Operating Procedure (EOP) entry condition exists.
- The reactor is in a stable and safe shutdown condition, and long-term core cooling is available as required.
- The control or cessation of any fire, flood, earthquake, or similar emergency conditions.
- All EAL notifications have been completed.
- Offsite conditions will not limit access of personnel and support resources.
- Discussions have been held with the Nuclear Regulatory Commission (NRC), State and local organizations with FEMA input as necessary, and agreement has been reached to terminate the emergency.
- The TSC technical staff has evaluated the plant/ISFSI status with respect to the Technical Specifications/applicable 10CFR 72 Certificate of Compliance requirements and concurs with the termination of the emergency.

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4.0 RECORDS

All logs, forms, and records generated must be forwarded to the EP Department and retained in accordance with QA Record Retention requirements. Authorization for disposal shall be obtained from the NRC.

5.0 REFERENCES

- (1) DAEC Emergency Plan
- (2) DAEC EAL Technical Basis Document
- (3) DAEC Technical Specifications
- (4) Emergency Operating Procedures (EOPs)
- (5) Updated Final Safety Analysis Report
- (6) EPIP 1.2, 'Notifications'
- (7) 10CFR50 Appendix E
- (8) 10CFR 72.32(c) and (d)
- (9) NEI Methodology for Development of Emergency Action Levels NUMARC/NESP-007 NEI 99-01 Revision 4, May 1999/September 2002
- (10) NEI Methodology for Development of Emergency Action Levels NUMARC/NESP-007 NEI 97-03 August 1997

6.0 EPIP FORMS

TABLE	FORM No.
Abnormal Rad Levels/Radioactive Effluent	EAL-01
Fission Barrier Table	EAL-02
Hazards and Other Conditions Affecting Plant Safety	EAL-03
System Malfunction	EAL-04
Independent Spent Fuel Storage Installation (ISFSI)	EAL-05

EAL TABLE
INDEPENDENT SPENT FUEL
STORAGE INSTALLATION

EVENT TYPE	UNUSUAL EVENT
INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)	<p style="text-align: center;">EU1</p> <p>Damage To A Loaded Cask Confinement Boundary</p> <p>Operating Modes: Not applicable</p> <p>Any one of the following natural phenomena events with resultant visible damage to or loss of a loaded cask confinement boundary:</p> <ul style="list-style-type: none"> • Report by plant personnel of a tornado strike. • Report by plant personnel of a seismic event. <p style="text-align: center;">OR</p> <p>The following accident condition with resultant visible damage to or loss of a loaded cask confinement boundary:</p> <ul style="list-style-type: none"> • A loaded transfer cask is dropped as a result of normal handling or transporting. <p style="text-align: center;">OR</p> <p>Any condition in the opinion of the EC/OSM that indicates loss of loaded fuel storage cask confinement boundary.</p>
	<p style="text-align: center;">EU2</p> <p>Confirmed Security Event With Potential Loss Of Level Of Safety Of The ISFSI</p> <p>Operating Modes: Not applicable</p> <p>Suspected sabotage device affecting a horizontal storage module, dry shielded canister or transfer cask, or found inside ISFSI protected area.</p> <p style="text-align: center;">OR</p> <p>Confirmed tampering with a horizontal storage module, dry shielded canister or transfer cask.</p> <p style="text-align: center;">OR</p> <p>A hostage situation that disrupts normal ISFSI operations.</p> <p style="text-align: center;">OR</p> <p>Civil disturbance or strike that disrupts normal ISFSI operations.</p> <p style="text-align: center;">OR</p> <p>Internal disturbance that is not short lived or is not a harmless outburst involving one or more individuals within the ISFSI protected area.</p> <p style="text-align: center;">OR</p> <p>Intrusion into the ISFSI protected area by a hostile force.</p> <p style="text-align: center;">OR</p> <p>Any security event of increasing severity that persists for ≥ 30 minutes.</p> <ul style="list-style-type: none"> • Credible bomb threats • Extortion • Suspicious fire or Explosion • Significant Security System Hardware Failure • Loss of Guard Post Contact

HAZARDS and OTHER CONDITIONS AFFECTING PLANT SAFETY

EVENT TYPE	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY																																														
NATURAL DISASTERS	HU1 Natural and Destructive Phenomena Affecting the Protected Area Earthquake detected per AOP 901, Earthquake. OR Report of tornado touching down within plant protected area or within switchyard. OR Assessment by the control room that an event has occurred. OR Vehicle crash into plant structures or systems within protected area boundary. OR Report of an unanticipated explosion within the protected area boundary resulting in visible damage to structures or equipment. OR Turbine failure resulting in casing penetration or damage to turbine or generator seals. OR River level above 757 feet. OR Any area water level above Max Normal Operating Limit. OR River level below 725 feet 6 inches. Op. Modes: ALL	HA1 Natural and Destructive Phenomena Affecting the Plant Vital Area Earthquake peak horizontal acceleration above ± 0.06 Gravity. OR Report of tornado striking plant vital area. OR Report to control room of damage affecting safe shutdown areas. OR Vehicle crash affecting plant vital areas. OR Sustained wind speed above 95 MPH. OR Missiles affecting safe shutdown areas. OR River level above 767 feet. OR Water level above Max Safe Operating Limit in 2 or more areas AND Reactor shutdown is required. OR River level below 724 feet 6 inches. Op. Modes: ALL	<table><tr><th colspan="2">Safe Shutdown Areas</th></tr><tr><th>Category</th><th>Area</th></tr><tr><td>Electrical Power</td><td>Switchyard, 1G31 DG and Day Tank Rooms, 1G21 DG and Day Tank Rooms, Battery Rooms, Essential Switchgear Rooms, Cable Spreading Room</td></tr><tr><td>Heat Sink/Coolant Supply</td><td>Torus Room, Intake Structure, Pumphouse</td></tr><tr><td>Containment</td><td>Drywell, Torus</td></tr><tr><td>Emergency Systems</td><td>NE, NW, SE Corner Rooms, HPCI Room, RCIC Room, RHR Valve Room, North CRD Area, South CRD Area</td></tr><tr><td>Other</td><td>Control Building, Remote Shutdown Panel 1C388 Area, Panel 1C56 Area, SBTG Room</td></tr></table> <table><tr><th colspan="4">Water Level Operating Limits</th></tr><tr><th>Room Area</th><th>Indicator</th><th>Max Normal Operating Limit (inches)</th><th>Max Safe Operating Limit (inches)</th></tr><tr><td>HPCI Room Area</td><td>LI 3768</td><td>2</td><td>6</td></tr><tr><td>RCIC Room Area</td><td>LI 3769</td><td>3</td><td>6</td></tr><tr><td>A RHR Corner Room SE Area</td><td>LI 3770</td><td>2</td><td>10</td></tr><tr><td>B RHR Corner Room NW Area</td><td>LI 3771</td><td>2</td><td>10</td></tr><tr><td>Torus Area</td><td>LI 3772</td><td>2</td><td>12</td></tr></table> <table><tr><th colspan="2">Systems & Equipment of Concern</th></tr><tr><td colspan="2"><ul style="list-style-type: none">Reactivity ControlContainment (Drywell/Torus)RHR/Core Spray/SRV'sHPCI/RCICRHR/SW/River Water/ESWOnsite AC Power/EDG'sOffsite AC PowerInstrument ACDC PowerRemote Shutdown Capability</td></tr></table>		Safe Shutdown Areas		Category	Area	Electrical Power	Switchyard, 1G31 DG and Day Tank Rooms, 1G21 DG and Day Tank Rooms, Battery Rooms, Essential Switchgear Rooms, Cable Spreading Room	Heat Sink/Coolant Supply	Torus Room, Intake Structure, Pumphouse	Containment	Drywell, Torus	Emergency Systems	NE, NW, SE Corner Rooms, HPCI Room, RCIC Room, RHR Valve Room, North CRD Area, South CRD Area	Other	Control Building, Remote Shutdown Panel 1C388 Area, Panel 1C56 Area, SBTG Room	Water Level Operating Limits				Room Area	Indicator	Max Normal Operating Limit (inches)	Max Safe Operating Limit (inches)	HPCI Room Area	LI 3768	2	6	RCIC Room Area	LI 3769	3	6	A RHR Corner Room SE Area	LI 3770	2	10	B RHR Corner Room NW Area	LI 3771	2	10	Torus Area	LI 3772	2	12	Systems & Equipment of Concern		<ul style="list-style-type: none">Reactivity ControlContainment (Drywell/Torus)RHR/Core Spray/SRV'sHPCI/RCICRHR/SW/River Water/ESWOnsite AC Power/EDG'sOffsite AC PowerInstrument ACDC PowerRemote Shutdown Capability	
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FIRE	HU2 Fire Within PROTECTED AREA Not Extinguished Within 15 Minutes of Detection Fire in buildings or areas contiguous to any of the following areas not extinguished within 15 minutes of control room notification or verification of a control room alarm: ▪ Reactor, Turbine, Control, Admin/Security ▪ Intake structure ▪ Pump house Op. Modes: ALL	HA2 Fire Affecting the Operability of Plant Safety Systems Required to Establish or Maintain Safe Shutdown Fire or explosion in any of the following areas: ▪ Reactor, Turbine, Control, Admin/Security ▪ Intake structure ▪ Pump house AND Affected system parameter indications show degraded performance or plant personnel report visible damage to permanent structures or equipment within the specified area. Op. Modes: ALL																																																
	OTHER HAZARDS AND FAILURES	HU3 Release of Toxic or Flammable Gases Deemed Detrimental to Safe Operation of the Plant Toxic or flammable gas release affecting normal operation. OR Report by local, county or State official for potential evacuation of site personnel based on offsite event. Op. Modes: ALL	HA3 Release of Toxic or Flammable Gases Within a Facility Structure Which Jeopardizes Operation of Systems Required to Maintain Safe Operations or to Establish or Maintain Cold Shutdown Toxic or flammable gas making safe shutdown areas uninhabitable or inaccessible. Op. Modes: ALL																																															
		SECURITY	HU4 Confirmed Security Event Which Indicates a Potential Degradation in the Level of Safety of the Plant Suspected sabotage device discovered within plant Protected Area. OR Suspected sabotage device discovered outside the Protected Area in the plant switchyard or ISFSI. OR Confirmed tampering with safety related equipment. OR A hostage situation that disrupts normal plant or ISFSI operations. OR Civil disturbance OR strike which disrupts normal plant or ISFSI operations. OR Internal disturbance that is not short lived or that is not a harmless outburst involving one or more individuals within the Protected Area or ISFSI. OR Credible Security Threat of "LO" Severity Op. Modes: ALL	HA4 Security Event In a Plant Protected Area Intrusion into plant Protected Area or ISFSI by a hostile force. OR Sabotage device discovered in the Plant Protected area or ISFSI. OR Any security event of increasing severity that persists for ≥ 30 minutes: ▪ Credible bomb threats ▪ Extortion ▪ Suspicious Fire or Explosion ▪ Significant Security System Hardware Failure ▪ Loss of Guard Post Contact OR Credible Security Threat of "HI" Severity Op. Modes: ALL	HS1 Security Event In a Plant Vital Area Intrusion into plant vital area by a hostile force. OR Sabotage device discovered in the plant vital area. Op. Modes: ALL	HG1 Security Event Resulting In Loss of Ability to Reach and Maintain Cold Shutdown Loss of physical control of the Control Room. OR Loss of physical control of remote shutdown capability. Op. Modes: ALL																																												
			CONTROL ROOM EVACUATION	None	HA5 Control Room Evacuation Has Been Initiated Control room evacuation initiated per AOP 915, Shutdown Outside Control Room. Op. Modes: ALL	HS2 Control Room Evacuation Has Been Initiated and Plant Control Cannot Be Established Control room has been evacuated AND control of plant from Remote Shutdown Panel 1C388 NOT established within 20 minutes. Op. Modes: ALL	None																																											
				EC/OSM JUDGMENT	HU5 Other Conditions Existing Which in the Judgment of the EC/OSM Warrant Declaration of an Unusual Event Other conditions exist which in the judgment of the EC/OSM indicate potential degradation of the level of safety of the plant. Op. Modes: ALL	HA6 Other Conditions Existing Which in the Judgment of the EC/OSM Warrant Declaration of an Alert Other conditions exist which in the judgment of the EC/OSM indicate that plant systems may be degraded and that increased monitoring of plant functions is warranted. Op. Modes: ALL	HS3 Other Conditions Existing Which in the Judgment of the EC/OSM Warrant Declaration of a Site Area Emergency Other conditions exist which in the judgment of the EC/OSM indicate actual or likely major failures of plant functions needed for protection of the public. Op. Modes: ALL	HG2 Other Conditions Existing Which in the Judgment of the EC/OSM Warrant Declaration of a General Emergency Other conditions exist which in the judgment of the EC/OSM indicate EITHER: • Actual or imminent substantial core degradation with potential for loss of containment. • Potential for uncontrolled radionuclide releases which can reasonably be expected to exceed EPA PAG plume exposure levels outside the site boundary. Op. Modes: ALL																																										

<u>INITIAL ROLL CALL</u> <input type="checkbox"/> Benton County <input checked="" type="checkbox"/> Hann County <input type="checkbox"/> Iowa EMD	<u>MESSAGE INITIATED</u> Time: _____ Date: _____	<u>1. STATUS</u> [A] ACTUAL [B] DRILL (or from SIMULATOR)	<u>2. FACILITY IN COMMAND & CONTROL</u> [A] Control Room.....2222 [B] TSC.....3333 [C] EOF.....4444 [D] Simulator.....1111	<u>3. ACCIDENT CLASSIFICATION</u> [A] UNUSUAL EVENT [B] ALERT [C] SITE AREA EMERGENCY [D] GENERAL EMERGENCY [E] RECOVERY [F] CANCELLATION/TERMINATION
---	---	--	---	--

4. **EAL CLASSIFIED @ TIME:** _____ **DATE:** _____

EAL _____

Category (circle one)					Classification (circle one)				Sequence # (circle one)						
A	F	H	S	E	U	A	S	G	1	2	3	4	5	6	7

6. AIRBORNE RELEASE TO ENVIRONMENT

[A] BELOW FEDERAL LIMITS (No High High KAMAN alarm)
[B] AT, OR ABOVE, FEDERAL LIMITS (High High KAMAN alarm)

7. TYPE OF RELEASE (mark all that apply)

[A] RADIOACTIVE AIRBORNE (FILTERED)
[B] RADIOACTIVE AIRBORNE (UNFILTERED)
[C] RADIOACTIVE LIQUID

8. PROJECTED DURATION OF RELEASE:

[B] RELEASE DURATION _____ hour(s)

9. WIND SPEED: _____ MILES/HR (50m value preferred)

10. WIND DIRECTION : FROM _____ DEGREES (50m value preferred)

11. UTILITY PROTECTIVE ACTION RECOMMENDATIONS

(If this notification is for a PAR change ONLY, note time & date. Otherwise write 'N/A' in 'TIME' and 'DATE' in Block 11.)

PAR DETERMINATION @ TIME: _____ DATE: _____

Unusual Event	Alert	Site Area Emergency
<input type="checkbox"/> [A] No actions recommended	<input type="checkbox"/> [B] No actions recommended	<input type="checkbox"/> [C] Activate the Prompt Alert and Notification System AND Place dairy animals within the entire EPZ on stored feed and covered water.

General Emergency

<input type="checkbox"/> [D] Default Recommendations from EPIP 3.3, <u>OR</u> dose projections ≥ 1 REM TEDE or 5 REM CDE @ 0-2 miles from site boundary.	<input type="checkbox"/> [E] Dose projections ≥ 1 REM TEDE or 5 REM CDE @ 2-5 miles from site boundary.	<input type="checkbox"/> [F] Dose projections ≥ 1 REM TEDE or 5 REM CDE @ 5-10 miles from site boundary.
Activate the Prompt Alert and Notification System, Place dairy animals within the entire EPZ on stored feed and covered water AND Evacuate within a 2 mile radius and to 5 miles in the downwind subareas.	Activate the Prompt Alert and Notification System, Place dairy animals within the entire EPZ on stored feed and covered water AND Evacuate within a 2 mile radius and to 5 miles in the downwind subareas, and shelter downwind subareas from 5 miles to EPZ edge.	Activate the Prompt Alert and Notification System, Place dairy animals in the entire EPZ on stored feed and covered water AND Evacuate within a 2 mile radius, evacuate from 2 miles to EPZ edge in downwind subareas, and shelter as appropriate beyond EPZ edge.

12. ADDITIONAL INFORMATION :

13. APPROVED BY: _____ (DATE) _____ (TIME) _____
(OSM, EC, or ER&RD)

14. STATE PROTECTIVE ACTIONS	0-2 m	2-5 m	5-10 m	10-EPZ
Shelter Subareas (circle appropriate subareas)	1	2, 3, 4, 5, 6, 7, 8	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	23,24
Evacuate Subareas (circle appropriate subareas)	1	2, 3, 4, 5, 6, 7, 8	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	23,24

MESSAGE TRANSMITTED BY:

FINAL ROLL CALL (INITIALS)

N : _____ **Facility:** _____ **Time:** _____ **Benton :** _____ **Linn :** _____ **Iowa EMD :** _____

DAEC EMERGENCY ACTION LEVEL NOTIFICATION FORM
INSTRUCTIONS FOR USE

Complete the notification form as follows:

INITIAL ROLL CALL - Dial 9999 (#### to stop the ringing) and mark appropriate box for the applicable agency as they answer the initial roll call.

MESSAGE INITIATED - Document the time and date you get at least one agency on the phone.

Read Items 1-13 on Notification Message Above - Read message from Item 1 through to Item 13, (For example, "One, bravo, drill. Two, delta, simulator..." etc.

Items 1, 3, 4, 5, 6, 7, 9, 10 & 11 MUST be accurate - The accuracy of these items will count towards our DEP Performance Indicator. If any of these items are in error, the Notification is considered inaccurate.

1. **STATUS** - Mark the letter corresponding to the appropriate status description. Unless an **ACTUAL** event is taking place, ALL Drills, Exercises, Table Top Drills and LORT notifications will be marked as "DRILL".
2. **FACILITY IN COMMAND & CONTROL** - Mark letter corresponding to the facility in command & control. Phone numbers listed are Microwave numbers for the facility.
3. **ACCIDENT CLASSIFICATION** - Mark the letter corresponding to the latest classification issued by the ERO facility.
4. **EAL CLASSIFIED** - Fill in the time and date at which this new accident classification was determined. If this notification is for a PAR change ONLY, write "N/A" for information in Block 4.

EAL - Fill in and circle the current On-Site Emergency Action Level (EAL) code number.
5. **RELEASE IN PROGRESS DUE TO THIS EVENT?** - Mark if a release is occurring due to this event and proceed to the applicable block.
6. **AIRBORNE RELEASE TO ENVIRONMENT** - Mark the letter corresponding to the appropriate description.
7. **TYPE OF RELEASE** - Mark the letter(s) corresponding to the appropriate release type(s). Filtered releases flow through any operable Standby Gas Treatment System, or Offgas System, to Offgas stack. An unfiltered release is one that is entering the environment by a path other than the SBTG System. If a **RADIOACTIVE LIQUID** release is in progress, contact the Site Rad Protection Coordinator for additional information and support. If the release has multiple paths to the environment, mark **ALL** appropriate types of releases.
8. **PROJECTED DURATION OF RELEASE** - Mark the letter corresponding to the appropriate release duration. If the release duration is known, indicate appropriate hours and minutes that the release will last.
9. **WIND SPEED** - Fill in the wind speed in miles/hour. The 50 meter value is the preferred value to use. If it is unavailable then use the 10 meter value. If both are unavailable, contact the National Weather Service @ 1-800-803-9357
10. **WIND DIRECTION** - Fill in the direction in degrees, from where the wind is originating. The 50 meter value is the preferred value to use. If it is unavailable then use the 10 meter value. If both are unavailable, contact the National Weather Service @ 1-800-803-9357
11. **PROTECTIVE ACTION RECOMMENDATIONS** - Check one of the boxes corresponding to the appropriate default Protective Action Recommendation. Refer to EPIP 3.3 for guidance on Protective Action decision-making.

PAR DETERMINATION - If this notification is for a PAR change ONLY, note time & date. Otherwise write 'N/A' in 'TIME' and 'DATE' in Block 11.
12. **ADDITIONAL INFORMATION** - Additional information should be included when:
 - A wind shift results in additional downwind subareas (see EPIP 3.3 Att. 2)
 - Corrections to current State/County notifications are made
 - Specify initiating condition for EALs with multiple initiating conditions
 - Other information deemed necessary to inform the State and Counties
13. **APPROVED BY** - Authorizing signature of OSM, EC, or ER&RD.
14. **STATE PROTECTIVE ACTIONS** - IF AVAILABLE, circle subareas the STATE has chosen to shelter or evacuate. If not available, leave this section blank.

MESSAGE TRANSMITTED BY - Applicable Communicator writes in their name, ERO facility in Command & Control, and time message completed.

FINAL ROLL CALL - Enter initials of agency representatives receiving this notification.