Arkansas Nuclear One - Administrative Services **Document Control** Wednesday, August 04, 1999

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Document Update Notification

COPYHOLDER NO:	103
TO:	NRC - WASHINGTON
ADDRESS:	DOC CNTRL DESK MAIL STOP OP1-17 WASHINGTON DC 20555
DOCUMENT NO:	OP-1903.011
TITLE:	EMERGENCY RESPONSE/ NOTIFICATIONS
REVISION NO:	023-05-0
CHANGE NO:	PC-05
SUBJECT:	PERMANENT CHANGE (PC)
If this box is checked in envelope provided	ed, please sign, date, and return transmittal d.
	ANO-1 Docket 50-313



Signature

ANO-2 Docket 50-368

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Date

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ENTERGY OPERATIONS ARKANSAS NUCL	INCORPORATED EAR ONE	
2		57 of 68
TITLE: EMERGENCY RESPONSE/NOTIFICATIONS	PROCIWORK PLAN NO.	CHANGE NO.
	WORK PLAN EXP. DATE	TC EXP. DATE
SET # 103	SAFETY-RELATED	N/A IPTE
	TEMP ALT	YES NO
When you see the TRAP	YES NO	
Time Decense	use the TOOLS!!	
Distraction (Internation	Self Check	
Multiple Tasks	Peer Check	
Over Confidence	3-Part Commu	inication
Vague or Interpretive Guidance	Pre-Evolution	Briefs
First Shift/Last Shift	Placekeeping	
Peer Pressure	STAR	
Change/Off Normal	Procedures	
Physical Environment		
Mental Stress (Home or Work)		
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		CONTRACTOR OF CONTRACTOR OF CONTRACTOR
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	Annual constant of the second s	Sec and Second Protocol Second Party Second Second
VERIFICATION COVER SHEET	FORM NO. 1000.006/	CHANGE NO. 047-04-0

	ENTERGY OP	ERATIONS IN ISAS NUCLE	ICORPOR AR ONE	ATED		
TITLE:EMERGENCY RESP	ONSE/NOTIFICATION	IS	P	ROC/WORK P	LAN NO.	58 of 6 CHANGE NO
AFFECTED UNIT:	VORK PLAN,	EXP. DATEN		1903.01	SAFETY-R	ELATED
TYPE OF CHANGE: NEW Procedure or Work Plan		PC [TC EXP. DA		DELETION	
DOES THIS DOCUMENT:	and a second second second a second secon					
1. Supersede or replace anothe (If YES, complete 1000.006)	er procedure? B for deleted procedure.)	(0CAN058107)			YES	NO NO
 Alter or delete an existing re (If YES, coordinate with Lice 	gulatory commitment? Insing before implementing	g.) (0CNA128509)(0CAN0498	03)	YES	NO NO
 Require a 50.59 review per 1 (If 50.59 evaluation, PSC rev 	1000.131? view required.)				YES	D NO
 Cause the MTCL to be untru (If YES, complete 1000.009A 	e? (See Step 8.5 for deta A) (1CAN108904, 0CAN09	ils.) 99001)			YES	NO NO
5. Create an Intent Change? (If YES, Standard Approval F	Process required.)				YES	NO NO
Implement or change IPTE r (If YES, complete 1000.143A	equirements? A. PSC review required.)				YES	NO NO
 Implement or change a Tem (If YES, then PSC review rec 	porary Alteration? juired.)				YES	NO NO
Vas the Master Electronic File us	sed as the source docume	ent?			YES	D NO
INTERIM APPROV	AL PROCESS		STANDA	RD APPROV	AL PROCE	SS
YPE or print name: NA UPERVISOR APPROVAL: * RO UNIT ONE :**	PHONE #: DATE: DATE:	ORIGINATOR Type or Print I INDEPENDER Concernity ENGINEERIN	Name: DUANE	: (Includes review S WHITE R: auls	of Att. 13) D/ -7/; P/ D/	ATE: HONE #: 7564 ATE: 1/21/99 ATE:
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RO UNIT TWO:"	DATE:	QUALITY:		NIA	D	ATE:
nterim approval allowed for non- 0.59 evaluation that are stopping	intent changes requiring n g work in progress.	UNIT SURVE	ILLANCE COO	RDINATOR (OCH	NA049803): DA	ATE:
tandard Approval required for in equiring a 50.59 evaluation.	tent changes or changes	SECTION LE	ADER:	herta	2/	26/99
)epartment Head must sign. *If both units are affected by cha	work in progress,	QUALITY AS	SURANCE:	p14	0/	ATE:
re required.	nge, bour ente signatures	OTHER SECT	TION LEADER	W/A S: I	Di	ATE:
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SC CHAIRMAN/TECHNICAL REVIEW	WER (OCNA049312) DATE:	OTHER SECT	TION LEADER	s: mala	D/	ATE:
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EQUIRED EFFECTIVE DATE:		OTHER SECT	TION LEADERS	S:	DA	ATE:
	WORK PLAN APP	ROVAL REO	UEST	FOI 10	RM NO.	CHANGE NO.
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ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

			59 of 68
	Y RESPONSE/NOTIFICATIONS	PROC/WORK PLAN N 1903.011	0. CHANGE NO. 023-05-0
PROCEDURE	WORK PLAN, EXP. DATE	N/A	PAGE 1 OF 2
TYPE OF CHANGE: NEW Procedure or Work P	REVISION PC	TC [DELETION
AFFECTED SECTION: (Include step # if applicable)	DESCRIPTION OF CHANGE: (For each reason for the change.)	n change made, include s	ufficient detail to describe
Step 3.4.2	Added reference to commitment 0CAN0 commitment was in this procedure previ- the commitment back into the procedure	29309 (P-3749), ERDS n ously and then removed.	equirements. This This proposed change puts
Step 6.1.2	Added step 6.1.2, "At the termination of Notify both parties of the event terminati This step is in each of the ED&C checkli removed from the checklist and placed in	the event, provide summi- on using Form 1903.011) sts. In this proposed cha in the body of the procedu	aries to the NRC and ADH.
Section 6.4	Section 6.4 gives instruction for use of the proposed change this section has been of	e ERDS system. This is changed to bold print to s	a commitment section. In the ignify it is a commitment.
Form 1903.011J Step 6 & 7	Switched the order of these pages to ma	tch the remaining checkli	st.
Form 1903.011J Step 8	Deleted this step from the checklist and it to precious page of same form. Made the	moved to body of procedu is page a "blank page".	ure (step 6.1.2). Move signoff
Form 1903.011K Step 8	Deleted this step from the checklist and r	moved to body of procedu	ure (step 6.1.2).
Form 1903.011L Step 7	Deleted this step from the checklist and r	moved to body of procedu	ure.
Form 1903.011M Step 7 & 8	Move step 7 and signoff to page 1 of 2 of procedure (step 6.1.2). Page 2 of 2 has	this form. Deleted step been marked as "blank p	8 and moved to body of age".
Form 1903.011N Step 9	Deleted step 9 on page 2 of 2 and moved from page 2of 2 to page 1 of 2 of this form	t to body of procedure (st n. Page 2 of 2 has been	ep 6.1.2). Moved the signoff marked "blank page".
Form 1903.011O Step 7	Deleted step 7 and moved to body of pro-	cedure (step 6.1.2).	
Form 1903.011P Step 9	Deleted step 9 and moved to body of pro-	cedure (step 6.1.2).	
Form 1903.011Q Step 10	Deleted step 10 and moved to body of proto page 1 of 2. Page 2 of 2 has been ma	ocedure (step 6.1.2). Mo rked "blank page".	ved signoff from page 2 of 2
Form 1903.011 Step 9	Deleted step 9 and moved to body of proc	cedure (step 3.1.2).	
FORM TITLE:	DESCRIPTION OF OUTPOR	FO	RM NO. CHANGE NO.
	DESCRIPTION OF CHANGE	10	00.0060 047-04-0

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			59 of 68
TITLE:EMERGENCY	RESPONSE/NOTIFICATIONS	PROC/WORK PLAN N 1903.011	0. CHANGE NO. 023-05-0
PROCEDURE	WORK PLAN, EXP. DATE	N/A	PAGE 2_ OF 2_
TYPE OF CHANGE: NEW Procedure or Work Pla	REVISION PC EZ	TC EXP. DATE: N/A	
AFFECTED SECTION: (Include step # if applicable)	DESCRIPTION OF CHANGE: (For eac reason for the change.)	ch change made, include	sufficient detail to describe
Form 1903.011S Step 10	Deleted this step from the checklist and	i moved to body of procee	dure (step 6.1.2).
Form 1903.011T Step 9 & 11	Deleted step 11 from the checklist and from page 1 of 2 to page 2 of 2 for more	moved to body of proced e room.	ure (step 6.1.2). Moved step 9
	Deleted this step from the checklist and	moved to body of procee	dure.
Form 1903.011U Step 10	Deleted step 10 and moved to body of to page 1 of 2. Page 2 of 2 has been m	procedure (step 6.1.2). N narked as "blank page".	loved signoff from page 2 of 2
Form 1903.011CC Step 6	Step 6 of this form has been changed to	o bold type to signify a co	mmitment.
Attachment 7 page 2 of 4	Added "(RE-8060, RE-8061)" to title. F printed on top of other numbers.	ixed the X and Y axis title	names. The title names were
Attachment 7 page 3 of 4	Added "(RE-8060, RE-8061)" to title.		
Attachment 8 page 2 of 4	Added "(2RY-8925-1, 2RY-8925-2)" to	litle.	
Attachment 8 page 3 of 4	Added "(2RY-8925-1, 2RY-8925-2)" to 1	litle.	
FORM TITLE:	DESCRIPTION OF CHANGE	F 1	ORM NO. CHANGE NO. 000.006C 047-04-0

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FO	RM TITLE:	10CFR50.59 DETERMINATIO	И	FORM NO. 1000.131A	RE	3 PC-1
Do	cument No.	1903.011	Rev./Change No.	023-05-0		Page <u>1</u> of <u>4</u>
Titl	e Emergen	cy Response/Notifications				
Brie	ef description	of proposed change: Insert E d Activity:	RDS Commitment			
1.	Require a	change to the Operating License	including:			
	Technical	Specifications (excluding the base	es)?	,	Yes 🗌	No
	Operating	License?		`	res[]	No
	Confirmato	ory Orders?		١	res 🗌	No
2.	Result in in (a) no long	formation in the following SAR do er true or accurate, or (b) violate a	ocuments (including drawin a requirement stated in the	gs and text) being document:		
	SAR (multi-	-volume set for each unit)?		Y	'es[]	No
	Core Opera	ating Limits Report		Y	'es 🗌	No
	Fire Hazard	ds Analysis?		Y	'es 🗔	No
	Bases of the	e Technical Specifications?		Y	es	No
	Technical R	Requirements Manual?		Y	es	No
	NRC Safety	Evaluation Reports?		Y	es	No
	Involve a te (See)	st or experiment not described in Attachment 2 for guidance)	the SAR?	Y	es[]	No
	Result in a p the Environ	potential impact to the environme mental Impact Determination of th	nt? (Complete his form.)	Y	es 🗌	No
	Result in the per section (e need for a Radiological Safety E 6.1.5?	valuation	Y	es 🗌	No
	Result in an Storage Cas	y potential impact to the equipme sk activities per Section 6.1.6?	nt or facilities utilized for V	entilated	es 🗌	No
	involve a ch per Section (ange under 10CFR50.54 for the f 6.1.7:	ollowing SAR documents			
	QAMO?			Ye		No
	E-Plan?			Ye	s	No
					homas	March .

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FORM TITLE: 10CFR50	.59 DETERMINATION	FORM NO. 1000.131A	REV. 3 PC-
			Page
Document No. 1903.011	Rev./Change No.	023-05-0	
Basis for Determination (Quest	ions 1, 2 & 3):		
Proposed change does not re note appropriate item #, send LD	equire 10 CFR 50.59 Evaluation per Attach CR to Licensing).	ment 1, Item #	, (If checked
Search Scope:			
List sections reviewed in the Lice performed on LRS, the LRS sean parentheses. Controlled hard cop text, not figures or drawings). Att required.	nsing Basis Documents specified in Questi ch index should be entered under "Section" bies of the documents shall be reviewed (Lf tach and distribute a completed LDCR pe	on 1, 2 and 3. If a se with the search state RS is not verified and r Section 6.1.2 if LB	earch was ement(s) use I searches of D changes
Document	Section		
LRS:	0CAN029309 P.3749 "3740" E	PDS (overt w/5 to-	
Common	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta	60, RE8060, "6060", inment w/5 monitor	, "2ry-8925* ")
MANUAL SECTIONS:	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta	60, RE8060, "6060", inment w/5 monitor*	"2ry-8925")
MANUAL SECTIONS:	RE-8061, RE8061, "8061, RE-80 "8925", *ry-8925, *ry8925, (conta	60, RE8060, "6060", inment w/5 monitor*	, "2ry-8925*)
MANUAL SECTIONS: FIGURES: Quane White	RE-8061, RE8061, "8061, RE-80 "8925", *ry-8925, *ry8925, (conta	60, RE8060, "6060", inment w/5 monitor*	/14/00
MANUAL SECTIONS: FIGURES: <u>Juan</u> White Certified Reviewer's Signature	RE-8061, RE8061, "8061, RE-80 "8925", *ry-8925, *ry8925, (conta 	60, RE8060, "6060", inment w/5 monitor*	/14/99 Date
MANUAL SECTIONS: FIGURES: <u>Juan</u> Mut Certified Reviewer's Signature Reviewer's certification expiration	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta Duane White Printed Name date: <u>9/10/2000</u>	60, RE8060, "6060", inment w/5 monitor"	/14/99 Date
MANUAL SECTIONS: FIGURES: <u><i>Quary White</i></u> Certified Reviewer's Signature Reviewer's certification expiration	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta Duane White Printed Name date: <u>9/10/2000</u>	60, RE8060, "6060", inment w/5 monitor"	/14/99 Date
MANUAL SECTIONS: FIGURES: <u>Juane White</u> Certified Reviewer's Signature Reviewer's certification expiration Assistance provided by: Printed Name	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta Duane White Printed Name date: <u>9/10/2000</u> Scope of Assistance	7	/14/99 Date
MANUAL SECTIONS: FIGURES: <u>Juane Whith</u> Certified Reviewer's Signature Reviewer's certification expiration Assistance provided by: Printed Name Search Scope Review Acceptable	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta Duane White Printed Name date: <u>9/10/2000</u> Scope of Assistance	2 per 1000.006)	/14/99 Date
MANUAL SECTIONS: FIGURES: <u>Juane Unit</u> Certified Reviewer's Signature Reviewer's certification expiration Assistance provided by: Printed Name Search Scope Review Acceptable <u>MA</u>	RE-8061, RE8061, "8061, RE-80 "8925", "ry-8925, "ry8925, (conta Duane White Printed Name date: <u>9/10/2000</u> Scope of Assistance	r per 1000.006)	/14/99 Date

FORME	P1 P2	ARKANSAS NUC	LEAR ONE		
FORM TIT	LE:	10CFR50.59 DETERMINATION		FORM NO. 1000.131A	REV.
		ENVIRONMENTAL IN (UNIT 1	IPACT DETERMI and UNIT 2)	NATION	Page 3 d
Ducume	nt No.	1903.011	Rev./Change No.	023-05-0	
Complet is require	e the fol ed. See	lowing Determination. If the answer to Section 6.1.4 for additional guidance.	o any checklist item is	"Yes", an Environme	ntal Evaluatio
Will the	Activity I	being evaluated:			
Yes	No				
		Disturb land that is beyond that init buildings, creation or removal of p 2.5-17. This applies only to areas	tially disturbed during onds, or other terrestri outside the protected	construction (i.e., new al impact)? See Unit area.	construction 2 SAR Figur
		Increase thermal discharges to lak	e or atmosphere?		
		Increase concentration of chemica tower?	ils to cooling lake or at	mosphere through dis	scharge cana
		Increase quantity of chemicals to c tower?	cooling lake or atmosp	here through discharg	e canal or
		Modify the design or operation of c	cooling tower which wi	I change drift charact	eristics?
		Install any new transmission lines I	leading offsite?	•	
		Change the design or operation of	the intake or discharg	e structures?	
		Discharges any chemicals new or o	different from that pre	viously discharged?	
		Potentially cause a spill or unevalu water or ground water?	ated discharge which	may effect neighborir	ng soils, surfa
		Involve burying or placement of an surface water or ground water?	ny solid wastes in the s	ite area which may e	ffect runoff,
		Involve incineration or disposal of	any potentially hazard	ous materials on the	ANO site?
		Result in a change to nonradiologic	cal effluents or license	d reactor power level	?
		Potentially change the type or incre	ease the amount of no	n-radiological air emi	ssions from t

ARKANSAS NUCLEAR ONE		
FORM TITLE: 10CFR50.59 REVIEW CONTINUATION PAGE	FORM NO. 1000.131C	REV.

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Document No. 1903.011

Rev./Change No. 023-05-0

10CFR50.59 Review Continuation Page

This proposed change consists of 1. adding commitment 0CAN029309 (P3749) back into the procedure, 2. removing the step from the ED&C checklist, which requires the person with ED&C to notify NRC and ADH of a ten vinations event, to the body of the procedure, 3. changing reference of OES to DEM where applicable and 4. adding, the containment monitor numbers to attachment 7 and 8. This commitment was removed previously under the commitment reduction project. In addition to restoring the commitment, all steps associated with this commitment have been changed to bold type. There were several forms that contained instructions for the person with ED&C to notify the NRC and ADH of a termination event. This step will be removed from the checklist and inserted into the body of the procedure as a general instruction. The Arkansas Office of Emergency Services (OES) has recently changed their name to Arkansas Department of Emergency Management (DEM). Everywhere the tOES existed will be changed to DEM. Attachment 7 & 8 contains instructions for obtaining the amount of faileo fuel using the containment high range monitors. Page 2 fo 4 and 3 of 4 of these attachments are graphs of the monitor responses to levels of core damage. The monitor numbers have been added to the title of these pages.

Question 1

The Unit 1 and Unit 2 Operating License do address some of the items listed above but not to the detail that the changes have been made. Therefore, this change will not require a change to the Unit 1 or Unit 2 Operating License.

Question 2 & 7

Some of the above proposed changes are briefly described within the Unit 1 and Unit 2 SAR and E-Plan except for the OES to DEM name change. The E-Plan currently has "OES" as the departments name. This name change has been previously approved, a 10CFR50.54g performed, which is attached, and the proposed changes to the EPlan have been marked up waiting on the next revision. The remaing item are being changed at a level of detail which are not addressed within these documents and the proposed changes do not conflict with items within these documents. Therefore, this proposed change will not result in information in the Unit 1 or Unit 2 SAR documents being no longer true or accurate or violate a requirement stated in the documents.

ttor-office

Date: July 1, 1999

Number: EP-99-0037

To: Chairman, Plant Safety Committee

From:

UN horlan W. R. Gresham

Subject: Revision 013-00-0 to Procedure 1903.034

The Emergency Planning staff has reviewed the proposed revision to procedure 1903.034, "Emergency Operations Facility Evacuation". The review included an evaluation of the revision in accordance with the requirements of 10CFR50.54(q). Emergency Planning has determined that the revision does not decrease the effectiveness of the Emergency Plan and the Plan continues to meet the standards of 10CFR50.47(b) and the requirements of 10CFR50, Appendix E.

Below is a brief description of the change and its justification:

Change: The Arkansas Office of Emergency Services (OES) is changing its name to the Department of Emergency Management (DEM). The change will cause a revision to the following sections of the Emergency Plan:

Definitions, Abbreviations, Introduction (2.2), A1.0, A2.1, A2.1.1, A2.1.2a, b, A2.2, A2.2.2, A2.3.1, Figure B-8, C3.0, C5.0f, E1.3, E1.4, F2.3, Table F-1, Figure F-1, H1.6, H2.0, H2.2, J2.3, O3.1.3, Letters of Agreement.

Justification: The revisions to the Emergency Plan represent a name change only from the Office of Emergency Services (OES) to the Department of Emergency Management (DEM). None of the responsibilities or emergency duties associated with this state agency will change as a result of this name change. Since the revision represents a name change only, the revision does not decrease the effectiveness of the Emergency Plan.

WRG/hdy cc:

ANO-DCC EP File



1903.011

*

1.0 PURPOSE

This procedure establishes required emergency response actions for each of the four Emergency Classes. The required actions described in this procedure are for purposes of notification to offsite authorities and activation/response of appropriate portions of ANO's Emergency Response Organization.

2.0 SCOPE

This procedure is applicable to Units 1 and 2 in all modes: It does not include specific plant casualty procedures or systems operations requirements, but rather provides administrative processes only.

This procedure describes actions for events which meet the criteria for Emergency Classes and Courtesy Calls.

3.0 REFERENCES

- 3.1 REFERENCES USED IN PROCEDURE PREPARATION:
 - 3.1.1 ANO Emergency Plan
 - 3.1.2 AP&L EAL Bases Document
 - 3.1.3 NUREG-0654/FEMA-REP-1, Rev. 1
 - 3.1.4 10 CFR 50
 - 3.1.5 IE Information Notice No. 83-28: Criteria for Protective Action Recommendations for General Emergencies
 - 3.1.6 U.S. NRC, Response Technical Manual (RTM-93) Volume 1 Revision 3.
 - 3.1.7 Memorandum ANO-98-00352, Subject: ADH Courtesy Call Agreement.
- 3.2 REFERENCES USED IN CONJUNCTION WITH THIS PROCEDURE:
 - 3.2.1 Station Directive A6.202, "Public Communications"
 - 3.2.2 1000.104, "Condition Reporting and Corrective Actions"
 - 3.2.3 1015.007, "Fire Brigade Organization and Responsibilities"
 - 3.2.4 1043.006, "Bomb Threat"
 - 3.2.5 1903.010, "Emergency Action Level Classifications"
 - 3.2.6 1903.030. "Evacuation"
 - 3.2.7 1903.042, "Duties of the Emergency Medical Team"
 - 3.2.8 1903.043, "Duties of the Emergency Radiation Team"
 - 3.2.9 1903.064, "Emergency Response Facility Control Room"

PROC./WORK PLAN NO. 1903.011	PROCEDU	RE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS	PAGE: CHANGE:	2 of 66 023-05-(
	3.2.10	1903.065, "Emergency Response Facility - ' Center (TSC)"	Technical	Support
	3.2.11	1903.066, "Emergency Response Facility - (Support Center (OSC)"	Operationa	al
	3.2.12	1903.067, "Emergency Response Facility - H Operations Facility"	Emergency	
	3.2.13	ANO Security Plan/Security Procedures		
:	3.2.14	1604.015, "Analysis of Unit Vents"		
:	3.2.15	1604.017, "Analysis of Liquid Waste"		
3.3 1	RELATED AN	NO PROCEDURES:		
1	None			
3.4 1	REGULATORY	CORRESPONDENCE CONTAINING NRC COMMITMENTS ED IN THIS PROCEDURE INCLUDE: [BOLD] PENOT	WHICH ARE ES COMMITE	e Ments
3	3.4.1	OCAN039701, 1903.011BB and 1903.011CC		
3	.4.2	OCAN029309 (P-3749), 1903.011CC		

4.0 DEFINITIONS

- 4.1 Courtesy Call A rotification to the Arkansas Department of Health and follow-up notification to the NRC for conditions/events other than those constituting an Emergency Class as listed in procedure 1903.011, "Emergency Response/Notifications", Section 6.3.
- 4.2 <u>Emergency Action Level</u> A plant or onsite condition which has exceeded pre-determined limits which would categorize the situation into one of the following four Emergency Classes:

Notification of Unusual Event Alert Site Area Emergency General Emergency

- 4.3 Notification of Unusual Event Unusual events are in progress or have occurred which indicate a potential degradation of the level of safety of he plant. No releases of radioactive material requiring offsite re ponse or monitoring are expected unless further degradation of safety systems occurs.
- 4.4 <u>Alert</u> Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
- 4.5 <u>Site Area Emergency</u> Events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to exceed EPA Protective Action Guideline exposure levels except near the site



PROC./WORK PLAN NO.	PROCE
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- 4.6 <u>General Emergency</u> Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with the potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off site for more than the immediate site area.
- 4.7 <u>Emergency Planning Zone (EPZ)</u> The EPZ considered by this procedure is the inhalation zone that area within approximately a 10 mile radius of ANO.
- 4.8 Onsite The area within the Exclusion Area Boundary.
- 4.9 Offsite Those areas not covered by Section 4.8.
- 4.10 Initial Response Staff (IRS) The emergency organization primarily composed of plant personnel which must be able to augment the onsite plant personnel in accordance with Table B-1 of the Emergency Plan.
- 4.11 Emergency Response Organization (ERO) The organization which is composed of the Initial Response Staff (IRS), the EOF staff, the TSC staff, the OSC staff, and the Emergency Team members. It has the capability to provide manpower and other resources necessary for immediate and long-term response to an emergency situation.
- 4.12 <u>Technical Support Center</u> The location within the ANO Plant Administration Building equipped with instrumentation and communication systems and facilities useful in monitoring the course of an accident.
- 4.13 Operational Support Center Emergency response center within the ANO maintenance facility where support is coordinated for the following functions: Onsite Radiological Monitoring, Maintenance, Nuclear Chemistry, Emergency Medical Support and Fire Fighting Support. The OSC serves as the assembly point and briefing area for recovery/reentry teams and is located in the maintenance facility.
- 4.14 <u>Emergency Operations Facility (EOF)</u> A near-site emergency response facility located approximately 0.65 miles northeast of the reactor buildings (the ANO Training Center).
- 4.15 <u>Emergency Direction and Control</u> Overall direction of facility response which must include the non-delegable responsibilities for the decision to notify and to recommend protective actions to Arkansas Department of Health personnel and other authorities responsible for offsite emergency measures. With activation of the EOF, the EOF Director typically issumes the responsibility for Emergency Direction and Control. The management of on-site facility activities to mitigate accident consequences remains with the TSC Director in the Technical Support Center. The Snift Superintendent retains responsibility for the Control Room and plant systems operation.
- 4.16 Emergency Response Data System (ERDS) A channel over which the raw reactor parametric data, i.e., SPDS information, is transmitted from the site to the NRC Operations Center (NRCOC). This system is activated from the RDACS terminal located in either Control Room or in the Technical Support Center and should be activated within one hour of an ALERT or higher emergency class declaration.

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5.0 RESPONSIBILITY AND AUTHORITY

- 5.1 SHIFT SUPERINTENDENT
 - 5.1.1 Has responsibility for implementation of response actions described in this procedure until relieved by the Technical Support Center Director or Emergency Operations Facility Director.
- 5.2 TECHNICAL SUPPORT CENTER DIRECTOR (TSC DIRECTOR)
 - 5.2.1 Upon assumption of responsibility for Emergency Direction and Control the TSC Director is responsible for implementation of the response actions described in this procedure.
- 5.3 EMERGENCY OPERATIONS FACILITY DIRECTOR (EOF DIRECTOR)
 - 5.3.1 Upon assumption of responsibility for Emergency Direction and Control the Emergency Operations Facility Director is responsible for implementation of the response actions described in this procedure.

5.4 COMMUNICATORS

- 5.4.1 Communicators are responsible for performing emergency response notifications/communications.
- 5.5 EMERGENCY RESPONSE ORGANIZATION (ERO)
 - 5.5.1 Members of the ERO are responsible to ensure completion of notifications as denoted on Attachment 5, " Alternate ERO Notification Scheme" if the ERO cannot be activated by the Computerized Notification System.

6.0 INSTRUCTIONS

- 6.1 EMERGENCY CLASSIFICATION AND NOTIFICATIONS
 - 6.1.1 Implement the appropriate sections of this procedure whenever an emergency classification has been declared, escalated, or de-escalated as per 1903.010, "Emergency Action Level Classifications".
 - A. For a Notification of Unusual Event, perform the actions as described in Attachment 1.
 - B. For an Alert, perform the actions as described in Attachment 2.
 - C. For a Site Area Emergency, perform the actions as described in Attachment 3.
 - D. For a General Emergency, perform the actions as described in Attachment 4.
 - 6.1.2 At the termination of the event, provide summaries to the Nuclear Regulatory Commission (NRC) and Arkansas Department of Health (ADH). Notify both parties of the event termination using Form 1903.011Y.

PROC./WORK PLAN NO.	D. PROCEDURE/WORK PLAN TITLE:			5 01 66
1903.011	EM	ERGENCY RESPONSE/NOTIFICATIONS	CHANGE:	023-05-0
6.2.	PROTECTIVE AC	CTION RECOMMENDATIONS (PARs)		Contraction and spectra and spectra and spectra
	6.2.1 Th to an Su for con	e Shift Superintendent shall be respon- offsite authorities until relieved of d Control by the TSC Director/EOF Dire- perintendent should rely on Nuclear Ch rmulation of PARs based on radiologica erations staff for the formulation of nditions.	nsible for f Emergency ector. The hemistry fo al conditio PARs based	issuing P Directio Shift r the ns and th on plant
	6.2.2 The Con aut Din PAR Ope pla	e TSC Director, after assuming Emerger ntrol, is responsible for issuing PARs thorities until relieved by the EOF Di rector should rely on the REAM for the Rs based on radiological conditions an erations/TSC staffs for the formulation ant conditions.	ncy Directions to offsite rector. The formulation and the on of PARs h	on and e he TSC on of pased on
6	6.2.3 The Con aut the and pla	EOF Director, after assuming Emergen atrol, is responsible for issuing PARs thorities. The EOF Director should re formulation of PARs based on radiolo the TSC Director for the formulation ant conditions.	to offsite to offsite ly on the F gical condi of PARs ba	on and REAM for tions used on
6.3 N	NON-EMERGENCY	OFF-NORMAL EVENTS		
I d T r A	IF the off-nor declaration, THEN "Informat representative arkansas Depar	rmal event does not require an emerger tion Only" notifications to designated es, the NRC Resident Inspector and, in rtment of Health (ADH) may be warrante	ncy class 1 Entergy ma 1 Some cases ed.	anagement s, the
T	o determine i eview the cor	f a non-emergency notification should additions described below:	be perform	ned,
6	.3.1 Cou ARK	rtesy Calls - ANO has agreed to notify ANSAS for the following <u>non</u> -Emergency	y the STATE Class even	OF ts:
Potential Pu not require EOF Director a news relea	ublic Interes a Courtesy C r and Communi ase and infor	NOTE t events which will not require a new all (excluding Steps A and B below). cations Manager should decide upon th m the Shift Superintendent.	s release d The on-cal e initiatio	lo 1 n of
	Α.	An UNPLANNED release of radioactive occurred OR may occur. (Refer to proof or 1604.017 for definition of "unpla	material h ocedures 16 anned relea:	as 04.015 se".)
	В.	An UNPLANNED reactor trip from power	has occur:	red.
	C.	An event has occurred for which a ne planned (refer to Station Directive Communications", Attachment 1)	ews release A6.202, "Pu	is ublic

1903.011

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EMERGENCY RESPONSE/NOTIFICATIONS

D. A notification has been made OR will be made to other government agencies for events that have impacted OR will impact the public health and safety.

A Courtesy Call should be made as soon as practicable following the event but no later than 4 hours following the event. Notification to the NRC Operations Center shall be performed no later than 4 hours following the event. These notifications should be made utilizing form 1903.011AA, "Courtesy Call Notification Message" and 1903.011DD, "Courtesy Call Notification Checklist".

6.3.2 NRC Reportable/Non-Emergency Events

Events which are reportable in accordance with 10CFR50.72 but which do NOT meet the criteria for emergency class declaration as delineated in Procedure 1903.010, "Emergency Action Level Classification."

The "information only" notifications described in this procedure are <u>supplemental</u> to the immediate notifications required by regulation which are determined in accordance with Procedure 1000.104, "Condition Reporting." The Shift Engineer (from either unit) should notify the appropriate parties using Attachment 11.

6.3.3 Shift Superintendent's Discretion

Any off-normal event for which the Shift Superintendent determines that notification to Entergy management representatives and the NRC Resident Inspector is prudent. The Shift Engineer (from either unit) should notify the appropriate parties using Attachment 11.

[6.4 EMERGENCY RESPONSE DATA SYSTEM (ERDS)

- 6.4.1 The ERDS system is activated within one hour of an ALERT or higher emergency class classification. ERDS may be activated using the RDACS computer terminals located in either Control Room or in the Technical Support Center.
 - A. On the RDACS terminal, exit System Status Screen (F10).
 - B. Select option 9 ERDS subsystem on the Main Menu.
 - C. To start ERDS on Unit 1, select option 1.
 - D. To start ERDS on Unit 2, select option 3.
 - E. When emergency is over, select option 2 to stop ERDS on Unit 1, or select option 4 to stop ERDS on Unit 2.]

PROC./WORK PI 1903.01	LAN NO.	PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS	PAGE:	7 of 66
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7.0 <u>ATT</u>	ACHMEN	TS AND FORMS		
7.1	. A	ttachment 1 ~ Notification of Unusual Event		
7.2	A	ttachment 2 - Alert		
7.3	A	ttachment 3 - Site Area Emergency		
7.4	A	ttachment 4 - General Emergency		
7.5	A	ttachment 5 - Alternate ERO Notification Scheme		
7.6	A E	ttachment 6 - Protective Action Recommendations (PA) mergency	R) for Ge	neral
7.7	A	ttachment 7 - Core Fuel Damage Assessment, Unit 1		
7.8	A	ttachment 8 - Core Fuel Damage Assessment, Unit 2		
7.9	A	ttachment 9 - Computerized Notification System (CNS)	Instruc	tions
7.10	A 0	ttachment 10 - Emergency Class Notification Instruct	tions	
7.13	1 A	ttachment 11 - Non-Emergency Notifications of Off-No	ormal Eve	nts
7.12	2 F Sl	orm 1903.011J - NUE Emergency Direction and Control hift Superintendent	Checklist	t,
7.13	3 F(D:	orm 1903.011K - NUE Emergency Direction and Control irector	Checklist	t, TSC
7.14	4 Fo	orm 1903.011L - NUE Emergency Direction and Control DF Director	Checklist	ε,
7.15	5 Fo	orm 1903.011M - Alert Emergency Direction and Contro hift Superintendent	l Checkli	lst,
7.16	5 Fo	orm 1903.011N - Alert Emergency Direction and Contro SC Director	l Checkli	ist,
7.17	Fo EC	orm 1903.0110 - Alert Emergency Direction and Contro DF Director	l Checkli	.st,
7.18	Fc Sh	orm 1903.011P - SAE Emergency Direction and Control	Checklist	.,
7.19	Fo	rm 1903.0110 - SAE Emergency Direction and Control	Checklist	,
7.20	Fo	rm 1903.011R - SAE Emergency Direction and Control F Director	Checklist	,
7.21	Fo	rm 1903.0115 - GE Emergency Direction and Control C ift Superintendent	hecklist,	
7.22	Fo	rm 1903.011T - GE Emergency Direction and Control C	hecklist,	

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PROC./WORK PLAN NO. 1903.011	EMERGENCY RESPONSE/NOTIFICATIONS	PAGE:	8 of 66
7.23	Form 1903.011U - GE Emergency Direction and Control C EOF Director	Checklist,	
7.24	Form 1903.011V - Notification Checklist for the Contr	ol Room -	Deleted
7.25	Form 1903.011W - Notification Checklist for the TSC -	Deleted	Dereten
7.26	Form 1903.011X - Notification Checklist for the EOF -	Deleted	
7.27	Form 1903.011Y - Emergency Class Initial Notification	Message	
7.28	Form 1903.011Z - Emergency Class Followup Notificatio	n Message	
7.29	Form 1903.011AA - Courtesy Call Notification Message	. nessage	
7.30	Form 1903.011BB - Initial Notification Checklist		
7.31	Form 1903.011CC - Followup Notification Checklist		
7.32	Form 1903.011DD - Courtesy Call Notification Checklie	+	

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1903.011

ATTACHMENT 1

NOTIFICATION OF UNUSUAL EVENT

Upon declaration of a Notification of Unusual Event, the person with the responsibility for Emergency Direction and Control shall:

- complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SS, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (NA);
- issue appropriate offsite protective action recommendations;
- ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Superintendent/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for NUE notification and response are as follows:

Shift Superintendent:

Form 1903.011J, "NUE Emergency Direction and Control Checklist, Shift Superintendent"

Form 1903.011Y, "Emergency Class Initial Notification Message"

Form 1903.0112, "Emergency Class Followup Notification Message"

Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

TSC Director:

Form 1903.011K, "NUE Emergency Direction and Control Checklist, TSC Director" Form 1903.011Y, "Emergency Class Initial Notification Message" Form 1903.011Z, "Emergency Class Followup Notification Message" Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

EOF Director:

Form 1903.011L, "NUE Emergency Direction and Control Checklist, EOF Director" Form 1903.011Y, "Emergency Class Initial Notification Message" Form 1903.011Z, "Emergency Class Followup Notification Message" Form 1903.011BB, "Initial Notification Checklist" Form 1903.011CC, "Followup Notification Checklist"



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This form is intended to be used by the **SHIFT SUPERINTENDENT** when a Notification of Unusual Event has been declared and he has the responsibility for Emergency Direction and Control.

1. Notification of Unusual Event declared:

Unit _____ Time ____ Date ____

2.

Conditions warranting declaration of a Notification of Unusual Event: EAL No._____ Description:_____

NOTE

If a dual-unit emergency is occurring, the Shift Superintendents should quickly decide which Shift Engineer will perform offsite notifications. Immediately contact an additional notification communicator by pager [Pager No. 964-1643]. This does not relieve the Shift Engineer of the responsibility for performing STA functions, so it is imperative that additional communicator support is obtained as soon as possible.

 Direct the Communicator to the Control Room to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".

3.1 Assign additional personnel to assist as necessary.

4. Make the following announcement over the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Notification of Unusual Event has been declared on Unit _____ (One/Two). All personnel continue normal activities unless instructed otherwise."

- 4.1 Make the above announcement over the EOF Public Address System (dial 199 and pause approximately 15 seconds).
- IF on-site personnel hazards exist, THEN direct implementation of protective actions as necessary.
 - 5.1 Refer to Form 1903.030C, "Localized Evaluation Checklist", to determine if a localized evacuation will be performed.

6. IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases which prohibit entry to the site via either guard station, etc.)

7. IF a radiological release is involved, THEN direct Nuclear Chemistry personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by :___

Shift Superintendent

FORM TITLE: NUE EMERGENCY DIRECTION AND CONTROL CHECKLIST 1903.011J 023-05-0 SHIFT SUPERINTENDENT 1003.011J



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This form is intended to be used by the **TSC DIRECTOR** when a Notification of Unusual Event has been declared and he has the responsibility for Emergency Direction and Control.

- 1. Notification of Unusual Event declared:
- Unit Time Date 2. Conditions warranting declaration of an Notification of Unusual Event: EAL No.____ Description:__
- Direct the communicator to initiate the notifications specified on Form 3. 1903.011BB, "Initial Notification Checklist".
 - 3.1 Assign additional personnel to assist as necessary.
- Make the following announcement over the plant paging system (dial 197): 4.

"Attention all personnel. Attention all personnel. A Notification of Unusual Event has been declared on Unit _____ (One/Two). All personnel continue normal activities unless instructed otherwise."

- Make the above announcement over the EOF Public Address System (dial 199 4.1 and pause approximately 15 seconds).
- 5. IF on-site personnel hazards exist, THEN direct implementation of protective actions as necessary.
 - Refer to Form 1903.030C, "Localized Evaluation Checklist", to determine 5.1 if a localized evacuation will be performed.
- 6. IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- 7 IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic.

CODAL TITLE

-	NUE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	FORM NO. 1903.011K	REV. 023-05-0

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This form is intended to be used by the **EOF DIRECTOR** when a Notification of Unusual Event has been declared and he has the responsibility for Emergency Direction and Control.

1. Notification of Unusual Event declared:

Unit _____ Time _____

- Conditions warranting declaration of an Notification of Unusual Event: EAL No. _____ Description: _____
- Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist."

Date ____

3.1 Assign additional personnel to assist as necessary.

 Make the following announcement over the plant paging system (dial 197 and pause approximately 15 seconds):

"Attention all personnel. Attention all personnel. A Notification of Unusual Event has been declared on Unit _____ (One/Two). All personnel continue normal activities unless instructed otherwise."

- 4.1 Make the above announcement over the EOF Public Address System (dial 199).
- Inform the TSC Director (or the Shift Superintendent if the TSC Director is not available) of the NUE declaration.
- IF a radiological release is involved,
 THEN direct Dose Assessment personnel to implement procedure 1904.002,
 "Offsite Dose Projection RDACS Computer Method".

Performed by :____

Emergency Operations Facility Director

	FORM TITLE:	EORM NO	DEV
-	NUE EMERGENCY DIRECTION AND CONTROL CHECKLIST EOF DIRECTOR	1903.011L	023-05-0

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EMERGENCY RESPONSE/NOTIFICATIONS

ATTACHMENT 2

ALERT

Upon declaration of an Alert, the person with the responsibility for Emergency Direction and Control shall:

- complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SS, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (NA);
- issue appropriate offsite protective action recommendations;
- ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Superintendent/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for Alert notification and response are as follows:

Shift Superintendent:

Form 1903.011M, "Alert Emergency Direction and Control Checklist, Shift Superintendent"

Form 1903.011Y, "Emergency Class Initial Notification Message"

Form 1903.0112, "Emergency Class Followup Notification Message"

Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

1903.011, Att. 5, Alternate ERO Notification Scheme

TSC Director:

Form 1903.011N, "Alert Emergency Direction and Control Checklist, TSC Director" Form 1903.011Y, "Emergency Class Initial Notification Message" Form 1903.011Z, "Emergency Class Followup Notification Message" Form 1903.011BB, "Initial Notification Checklist" Form 1903.011CC, "Followup Notification Checklist"

EOF Director:

Form 1903.0110, "Alert Emergency Direction and Control Checklist, EOF Director" Form 1903.011Y, "Emergency Class Initial Notification Message" Form 1903.011Z, "Emergency Class Followup Notification Message" Form 1903.011BB, "Initial Notification Checklist" Form 1903.011CC, "Followup Notification Checklist"



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ALERT

This form is intended to be used by the SHIFT SUPERINTENDENT when an Alert has been declared and he has the responsibility for Emergency Direction and Control.

1. Alert declared:

Unit_____ Time____ Date__

Conditions warranting declaration of an Alert: 2. EAL No. ____ Description: ___

NOTE

If a dual-unit emergency is occurring, the Shift Superintendents should quickly decide which Shift Engineer will perform offsite notifications. Immediately contact an additional notification communicator by pager [Pager No. 964-1643]. This does not relieve the Shift Engineer of the responsibility for performing STA functions, so it is imperative that additional communicator support is obtained as soon as possible.

- Direct the Communicator to the Control Room to initiate the notifications 3. specified on Form 1903.011BB, "Initial Notification Checklist".
 - Assign additional personnel to assist as necessary. 3.1
- Make the following announcement over the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. An Alert Emergency Class has been declared on Unit _____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel continue normal activities unless instructed otherwise."

- 4.1 Make the above announcement over the EOF Public Address System (dial 199 and pause approx. 15 sec.).
- 5. IF on-site personnel hazards exits, THEN direct implementation of protective actions as necessary.
 - Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine 5.1 if a localized evacuation will be performed.

IF an approach route to the plant site should be avoided, 6. THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases which prohibit entry to the site via either guard station, etc.)

IF a radiological release is involved, 7. THEN direct Nuclear Chemistry personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

Performed by :____

RM TITLE

Shift Superintendent

ALERT EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO.	REV.
SHIFT SUPERINTENDENT	1903.011M	023-05-0



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This form is intended to be used by the **TSC DIRECTOR** when an Alert has been declared and he has the responsibility for Emergency Direction and Control.

1. Alert declared:

Unit_____ Time____ Date____

- Conditions warranting declaration of an Alert: EAL No. ____ Description: _____
- 3. Direct the communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".

3.1 Assign additional personnel to assist as necessary.

Make the following announcement over the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. An Alert Emergency Class has been declared on Unit _____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel continue normal activities unless instructed otherwise."

- 4.1 Make the above announcement over the EOF Public Address System (dial 199 and pause approx. 15 sec.).
- IF onsite personnel hazards exist,
 THEN direct implementation of protective actions as necessary.
 - 5.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.
- 6. IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- 7. **IF** an approach route to the plant site should be avoided, **THEN** instruct Security to direct incoming traffic.
- Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected unit's Control Room.

Performed by :___

Technical Support Center Director

FORM TITLE:	FORM NO.	REV.
TSC DIRECTOR	1903.011N	023-05-0

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This form is intended to be used by the **EOF DIRECTOR** when an Alert has been declared and he has the responsibility for Emergency Direction and Control.

1.	Alert	declared:	Unit	Time	Date	
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- Conditions warranting declaration of an Alert: EAL No. ____ Description: ____
- Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".

3.1 Assign additional personnel to assist as necessary.

4. Make the following announcement over the plant paging system (dial 197 and pause approx. 15 sec.):

"Attention all personnel. Attention all personnel. An Alert Emergency Class has been declared on Unit_____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel continue normal activities unless instructed otherwise."

- 4.1 Make the above announcement over the EOF Public Address System (dial 199).
- 5. IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- 6. Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected unit's Control Room.

Performed by :____

CODA TITI

Emergency Operations Facility Director

	ALERT EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO.	REV.
	EOF DIRECTOR	1903.0110	023-05-0
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EMERGENCY RESPONSE/NOTIFICATIONS

CHANGE: 023-05-0

ATTACHMENT 3

SITE AREA EMERGENCY

Page 1 of 2

Upor declaration of a Site Area Emergency, the person with the responsibility for Emergency Direction and Control shall:

- complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SS, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (NA);
- issue appropriate offsite protective action recommendations;
- ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Superintendent/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for Site Area Emergency notification and response are as follows:

Shift Superintendent:

Form 1903.011P, "SAE Emergency Direction and Control Checklist, Shift Superintendent"

Form 1903.011Y, "Emergency Class Initial Notification Message"

Form 1903.0112, "Emergency Class Followup Notification Message"

Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

Form 1903.030B, "Plant Evacuation Checklist"

1903.011, Att. 5, Alternate ERO Notification Scheme

TSC Director:

Form 1903.011Q, "SAE Emergency Direction and Control Checklist, TSC Director"
Form 1903.011Y, "Emergency Class Initial Notification Message"
Form 1903.011Z, "Emergency Class Followup Notification Message"
Form 1903.011BB, "Initial Notification Checklist"
Form 1903.011CC, "Followup Notification Checklist"
Form 1903.030B, "Plant Evacuation Checklist"



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CHANGE: 023-05-0

ATTACHMENT 3

SITE AREA EMERGENCY

Page 2 of 2

EOF Director:

Form 1903.011R, "SAE Emergency Direction and Control Checklist, EOF Director"

Form 1903.011Y, "Emergency Class Initial Notification Message"

Form 1903.0112, "Emergency Class Followup Notification Message"

Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

Page 1 of 2



This form is intended to be used by the **SHIFT SUPERINTENDENT** when a Site Area Emergency has been declared and he has the responsibility for Emergency Direction and Control.

1. Site Area Emergency declared:

Unit

3.

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Time____ Date___

 Conditions warranting declaration of a Site Area Emergency: EAL No._____ Description:_____

If a dual-unit emergency is occurring, the Shift Superintendents should quickly decide which Shift Engineer will perform offsite notifications. Immediately contact an additional notification communicator by pager [Pager No. 964-1643]. This does not relieve the Shift Engineer of the responsibility for performing STA functions, so it is imperative that additional communicator support is obtained as soon as possible.

- Direct the Communicator to the Control Room to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".
 - 3.1 Assign additional personnel to assist as necessary.
- Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work areas and wait for further instructions."

- 4.1 Make the above announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).
- 5. IF a plant evacuation has not been performed, THEN refer to Form 1903.030B, "Plant Evacuation Checklist", to determine if a plant evacuation will be performed.
- IF on-site personnel hazards exist,
 THEN direct implementation of protective actions as necessary.
 - 6.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.
- 7. IF a radiological release is involved, THEM direct Nuclear Chemistry personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

1	FORM TITLE:	FORM NO.	REV.
1	SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST	1903.011P	023-05-0
1	SHIFT SUPERINTENDENT		

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IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic. (Examples of this include security situations in which onsite/offsite personnel are directed to the EOF, radiological releases which prohibit entry to the site via either guard station, etc.)

Performed by :___

8.

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Shift Superintendent

FUR	M TILE.	FORM NO.	REV.
	SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST	1903.011P	023-05-0
	SHIFT SUPERINTENDENT		

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This form is intended to be used by the **TSC DIRECTOR** when a Site Area Emergency has been declared and he has the responsibility for Emergency Direction and Control.

1. Site Area Emergency declared:

:

Unit_____ Time____ Date____

- Conditions warranting declaration of a Site Area Emergency: EAL No. ____ Description: _____
- Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".
 - 3.1 Assign additional personnel to assist as necessary.
- Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work areas and wait for further instructions."

- 4.1 Make the above announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).
- 5. IF a plant evacuation has not been performed, THEN refer to Form 1903.030B, "Plant Evacuation Checklist" to determine if a plant evacuation will be performed.
- IF on-site personnel hazards exist,
 THEN direct implementation of protective actions as necessary.
 - 6.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.
- 7. IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic.
- 9. Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected unit's Control Room.

Performed by :____

Technical Support Center Director

FORM TITLE:	FORM NO.	REV
SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	1903.011Q	023-05-0

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SAE

This form is intended to be used by the **EOF DIRECTOR** when a Site Area Emergency has been declared and he has the responsibility for Emergency Direction and Control.

- 1. Site Area Emergency declared: Unit_____ Time____ Date____
- Conditions warranting declaration of a Site Area Emergency: EAL NO. ____ Description: _____
- Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist."

3.1 Assign additional personnel to assist as necessary.

4. Make the following announcement using the plant paging system (dial 197 and pause approximately 15 seconds):

"Attention all personnel. Attention all personnel. A Site Area Emergency has been declared on Unit ____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work arear and wait for further instructions."

- 4.1 Ma³ .he above announcement using the EOF public address system (dial 19.
- 5. **IF** a plan evacuation has not been performed, **THEN** direct the TSC Director, or the Shift Superintendent if the TSC Director is not available, to determine if an evacuation is advisable per Form 1903.030B, "Plant Evacuation Checklist".
- Announce emergency class declaration to the EOF staff.
- 7. IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- 8. Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected unit's control room.

Performed by :_

Emergency Operations Facility Director

1	FORM TITLE	FORM NO	BEV
3	SAE EMERGENCY DIRECTION AND CONTROL CHECKLIST FOR DIRECTOR	1903.0118	023-05-0
-			020 00 0

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PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS

CHANGE: 023-05-0

ATTACHMENT 4

GENERAL EMERGENCY

Page 1 of 2

Upon declaration of a General Emergency, the person with the responsibility for Emergency Direction and Control shall:

- complete the appropriate Emergency Direction and Control Checklist indicated below for your position (i.e. SS, TSC Director, or EOF Director). Any steps that are not appropriate for the event may be marked 'Not Applicable' (NA);
- issue appropriate offsite protective action recommendations;
- ensure that notifications are completed in accordance with the required time limits.

At the termination of the event, the Shift Superintendent/TSC Director/EOF Director should forward all forms and other pertinent documents to Emergency Planning.

Forms used for General Emergency notification and response are as follows:

Shift Superintendent:

Form 1903.011S, "GE Emergency Direction and Control Checklist, Shift Superintendent"

Form 1903.011Y, "Emergency Class Initial Notification Message"

Form 1903.0112, "Emergency Class Followup Notification Message"

Form 1903.011BB, "Initial Notification Checklist"

Form 1903.011CC, "Followup Notification Checklist"

Form 1903.030B, "Plant Evacuation Checklist"

1903.011, Act. 5, Alternate ERO Notification Scheme

1903.011, Att. 6, Protective Action Recommendations (PAR) for General Emergency

1903.011, Att. 7, Core Fuel Damage Assessment, Unit 1

1903.011, Att. 8, Core Fuel Damage Assessment, Unit 2

TSC Director:

Form 1903.011T, "GE Emergency Direction and Control Checklist, TSC Director" Form 1903.011Y, "Emergency Class Initial Notification Message" Form 1903.011Z, "Emergency Class Followup Notification Message" Form 1903.011BB, "Initial Notification Checklist" Form 1903.011CC, "Followup Notification Checklist"



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CHANGE: 023-05-0

ATTACHMENT 4

GENERAL EMERGENCY

Page 2 of 2

Form 1903.030B, "Plant Evacuation Checklist"

1903.011, Att. 6, Protective Action Recommendations (PAR) for General Emergency

1903.011, Att. 7, Core Fuel Damage Assessment, Unit 1

1903.011, Att. 8, Core Fuel Damage Assessment, Unit 2

EOF Director:

Form 1903.011U, "GE Emergency Direction and Control Checklist, EOF Director"
Form 1903.011Y, "Emergency Class Initial Notification Message"
Form 1903.011Z, "Emergency Class Followup Notification Message"
Form 1903.011BB, "Initial Notification Checklist"
Form 1903.011CC, "Followup Notification Checklist"
1903.011, Att. 6, Protective Action Recommendations (PAR) for General
Emergency
1903.011, Att. 7, Core Fuel Damage Assessment, Unit 1
1903.011, Att. 8, Core Fuel Damage Assessment, Unit 2



This form is intended to be used by the **SHIFT SUPERINTENDENT** when a General Emergency has been declared and he has the responsibility for emergency Direction and Control.

1. General Emergency declared:

Unit_____ Time____ Date____

 Conditions warranting declaration of a General Emergency: EAL No. ____ Description: _____

NOTE

If a dual-unit emergency is occurring, the Shift Superintendents should quickly decide which Shift Engineer will perform offsite notifications. Immediately contact an additional notification communicator by pager [Pager No. 964-1643]. This does not relieve the Shift Engineer of the responsibility for performing STA functions, so it is imperative that additional communicator support is obtained as soon as possible.

- Direct the Communicator to the Control Room to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".
 - 3.1 Assign additional personnel to assist as necessary.

Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit _____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work areas and wait for further instructions."

- 4.1 Make the above announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).
- 5. IF a plant evacuation has not been performed, <u>THEN</u> refer to Form 1903.030B, "Plant Evacuation Checklist", to determine if a plant evacuation will be performed.
- IF on-site personnel hazards exist, THEN direct implementation of protective actions as necessary.
 - 6.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.
- 7. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No.

In the second second

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO.	REV.
SHIFT SUPERINTENDENT	1903.0115	023-05-0



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Page 2 of 2

IF a radiological release is involved, THEN direct Nuclear Chemistry presonnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Nethod".

9. IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic. (Examples of this include security situations in the onsite/offsite personnel are directed to the EOF, radiological releases which prohibit entry to the site via either guard station, etc.)

Performed by :_

.....

Shift Superintendent

GE EMERGENCY DIRECTION AND CONTROL CHECKLIST	FORM NO. 1903.0115	REV. 023-05-0
SHIFT SUPERINTENDENT		

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Page 1 of 2



This form is intended to be used by the **TSC DIRECTOR** when a General Emergency has been declared and he has the responsibility for Emergency Direction and Control.

1. General Emergency declared:

Unit_____ Time____ Date____

- Conditions warranting declaration of a General Emergency: EAL No. _____ Description: _____
- Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".

3.1 Assign additional personnel to assist as necessary.

Make the following announcement using the plant paging system (dial 197):

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit ____(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work areas and wait for further instructions."



- 4.1 Make the above announcement using the EOF public address system (dial 199 and pause approximately 15 seconds).
- 5. IF a plant evacuation has not been performed, THEN refer to Form 1903.030B, "Plant Evacuation Checklist", to determine if a plant evacuation will be performed.
- IF on-site personnel hazards exist,
 THEN direct implementation of protective actions as necessary.
 - 6.1 Refer to Form 1903.030C, "Localized Evacuation Checklist", to determine if a localized evacuation will be performed.
- 7. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No.

 IF a radiological release is involved, THEN direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".

	M TITLE:	FORM NU.	REV.
-	GE EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	1903.0 ⁺ 1	023-05-0

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IF an approach route to the plant site should be avoided, THEN instruct Security to direct incoming traffic.

10. Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected unit's Control Room.

Performed by :___

Technical Support Center Director

APRIL	A TITLE:	FORM NO.	REV.
GE	EMERGENCY DIRECTION AND CONTROL CHECKLIST TSC DIRECTOR	1903.011T	023-05-0

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This form is intended to be used by the **EOF DIRECTOR** when a General Emergency has been declared and he has the responsibility for Emergency Direction and Control.

1. General Emergency declared:

Unit	Time	Date
		The first of the second s

- Conditions warranting declaration of a General Emergency: EAL No. _____ Description: _____
- 3. Direct the Communicator to initiate the notifications specified on Form 1903.011BB, "Initial Notification Checklist".

3.1 Assign additional personnel to assist as necessary.

4. Make the following announcement using the plant paging system (dial 197 and pause approximately 15 seconds):

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit _(One/Two). Emergency response personnel report to your designated assembly areas. All other personnel report to your normal work areas and wait for further instructions."

4.1 Make the above announcement using the EOF public address system (dial 199).

5. IF a plant evacuation has not been performed, THEN direct the TSC Director (or the Shift Superintendent if the TSC Director is not available) to determine if an evacuation is advisable per Form 1903.030B, "Plant Evacuation Checklist".

6. Determine the appropriate Protective Action Recommendation using Attachment 6, "Protective Action Recommendations (PAR) for General Emergency".

PAR No.

REAM Review:

- 7. Announce emergency class declaration to the EOF staff.
- IF a radiological release is involved, <u>THEN</u> direct Dose Assessment personnel to implement procedure 1904.002, "Offsite Dose Projection - RDACS Computer Method".
- 9. Ensure that the Emergency Response Data System (ERDS) was activated within one hour of an ALERT or higher emergency class declaration, by contacting the affected units Control Room.

Performed by :_____

Emergency Operations Facility Director

IM TITLE:	FORM NO.	REV.
GE EMERGENCY DIRECTION AND CONTROL CHECKLIST EOF DIRECTOR	1903.011U	023-05-0

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.

P	Date:
I I	This is at Arkansas Nuclear One. Thone number is (501) 858
Г —	his is <u>AN ACTUAL EVENT</u> <u>A DRILL</u> . <u>A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED</u> <u>AN ALERT WAS DECLARED</u> <u>A SITE AREA EMERGENCY WAS DECLARED</u> <u>A GENERAL EMERGENCY WAS DECLARED</u>
0	The Emergency was TERMINATED n UNIT 1 UNIT 2 on at based on (date) (time)
TR	AL NO he wind is FROM degrees at miles per hour. ecommended Protective Actions are: NONE AT THIS TIME EVACUATE ZONES:
C	SHELTER ZONES:
M	pre information will follow shortly.

*

EMERGENCY CLASS INITIAL NOTIFICATION MESSAGE	1903.011Y	02:3-05-0

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MESSAGE NO Date	Ti:	ne:
Reported By:	Tel. No. (5	01) 858-
This is AN ACTUAL EVENT	A DRILL	
EMERGENCY CLASSIFICATION:		
NOTIFICATION OF UNUSUAL EVENT	SITE AREA EMERGENCY	MEDMINIA TON
_ALERT	GENERAL EMERGENCY	IERMINATION
DECLARED ON: Unit 1 Unit 2	Date	
	Date:	Time:
PROGNOSIS: _Degrading _Stat	ble _Improving	
RECOMMENDED PROTECTIVE ACTIONS:		
_NONE AT THIS TIME		
EVACUATE ZONES:		
SHELTER ZONES:		
INCIDENT DESCRIPTION/COMMENTS: EAL NO EAL CONDITION:		
COMMENTS:		
OTHER UNIT STATUS:		
Stability Class	Degrees a	tMPH
Precipitation:		G
NoneRai:	_Sleet	_Snow
RADIOLOGICAL RELEASE:		
_NONERELEASE OCCURRED BUT S	STOPPED; Duration:	hrs
_NONERELEASE OCCURRED BUT S _RELEASE OCCURRING: Time Started	Expected	hrs Duration:hrs
_NONERELEASE OCCURRED BUT S _RELEASE OCCURRING: Time Started GASEOUS RELEASE? Yes No. (GO TO Item 14)	hrs Duration:hrs
_NONERELEASE OCCURRED BUT S _RELEASE OCCURRING: Time Started GASEOUS RELEASE? _YesNo (RELEASE RATE: PARTICULATE:	GO TO Item 14) Ci/sec IOD	hrs Duration: hrs INE: Ci/s
_RELEASE OCCURRED BUT S _RELEASE OCCURRING: Time Started GASEOUS RELEASE? _YesNo (RELEASE RATE: PARTICULATE: 	GO TO Item 14) Ci/sec IOD Ci/sec IOD	hrs Duration:hrs INE:Ci/se
	GO TO Item 14) Ci/sec IOD Ci/sec Ci/sec	hrs Duration:hrs INE:Ci/se
	GO TO Item 14) Ci/sec IOD Ci/sec IOD Ci/sec YE DOSE: CHILD THYROID	hrs Duration: hrs INE: Ci/se DOSE (CDE) (mRem)
NONERELEASE OCCURRED BUT S RELEASE OCCURRING: Time Started GASEOUS RELEASE? _YesNo (RELEASE RATE: PARTICULATE: NOBLE GAS: 	GO TO Item 14) Ci/sec IOD Ci/sec Ci/sec TE DOSE: CHILD THYROID 0.62 miles: 1.45 miles:	hrs Duration: hrs INE: Ci/se DOSE (CDE) (mRem) 3.45 miles: 7.23 miles:
	GO TO Item 14) Ci/sec IOD Ci/sec IOD Ci/sec Ci/sec CHILD THYROID 0.62 miles: 1.45 miles: GO TO Item 15)	hrs Duration: hrs INE: Ci/s DOSE (CDE) (mRem) 3.45 miles: 7.23 miles:
NONERELEASE OCCURRED BUT S RELEASE OCCURRING: Time Started	GO TO Item 14) Ci/sec IOD Ci/sec IOD Ci/sec TE DOSE: CHILD THYROID 0.62 miles: 1.45 miles: GO TO Item 15) Greater than 10 X O	hrs Duration: hrs INE:Ci/s DOSE (CDE) (mRem) 3.45 miles: 7.23 miles: DCM Limitations
_NONERELEASE OCCURRED BUT S _RELEASE OCCURRING: Time Started	GO TO Item 14) Ci/sec IOD Ci/sec IOD Ci/sec TE DOSE: CHILD THYROID 0.62 miles: 1.45 miles: GO TO Item 15) _Greater than 10 X O	hrs Duration: hrs INE:Ci/se DOSE (CDE) (mRem) 3.45 miles: 7.23 miles: DCM Limitations
	GO TO Item 14) Ci/sec IOD Ci/sec IOD Ci/sec TE DOSE: CHILD THYROID 0.62 miles: 1.45 miles: GO TO Item 15) _Greater than 10 X OD	hrs Duration:hrs INE:Ci/se DOSE (CDE) (mRem) 3.45 miles: 7.23 miles: DCM Limitations

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COURTESY CALL NOTIFICATION MESSAGE

Use for COURTESY CALLS

MESSAGE :

:

This is			at Arkansas Nuc	lear One My
phone number	(501) 858-			rear one. My
This COURTESY	CALL is being made b	ecause:		
An UNPLAN	NED release of radioad	ctive material	has occurred OR :	nay occur.
An UNPLAN	NED reactor trip from	power has occu	rred.	
An event h	has occurred for which	n a news releas	e is planned.	
A notifica events th	tion has been made or at have impacted or w	will be made ill impact the	to other governme public health an	ent agencies for d safety.
At(time)	on the follo	wing event(s)od	ccurred on	
UNIT 1				
UNIT 2				
The ANO Sit	e			
(describe eve	nt):			
ED:				
	Shi	ft Superintende	ent	

TITLE:		
COURTESY CALL NOTIFICATION MESSAGE	FORM NO. 1903.011AA	REV. 023-05-0

Page 1 of 4

ACTIONS FOR INITIAL NOTIFICATION

NOTE

The Emergency Telephone Directory contains emergency telephone numbers.

NOTE

The Arkansas Department of Health (ADH) SHALL be notified within 15 minutes of an Emergency Class:

- . Declaration
- . Change (Upgrade or Downgrade)

. Termination

INSTRUCTIONS

Date:

- 1. Complete 1903.011Y for Message # ____. Refer to Attachment 10 for instructions.
- 2. Place 1903.011Y face down in DEF/VS fax document tray and press RED fax button.

Time:

CONTINGENCY ACTIONS

1. None

2. Use non-dedicated fax to send 1903.011Y to ADH. Fax number: *9-1-501-671-1406*

> Time: Date:

From the Control Room: Use non-dedicated fax to send 1903.011Y to:

TSC: *858-6622* EOF: *858-6957*

From the TSC: Use non-dedicated fax to send 1903.011Y to:

EOF: *858-6957*

From the EOF: Use non-dedicated fax to send 1903.011Y to:

TSC: *858-6622*

3. None

3. IF this is a termination message OR ERO has already been activated for an ALERT or higher emergency class THEN GO TO Step 5.

NOTE The material contained within the symbols (*) is proprietary or private information.

FORM TITLE.

FORM NO. REV. INITIAL NOTIFICATION CHECKLIST 1903.011BB 023-05-0

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Page 2 of 4

INSTRUCTIONS

4. Start CNS using Attachment 9.

......

CONTINGENCY ACTIONS

- 4. Page the ERO.
 - 4.1 For NUE:

NOTE The following steps notify these positions of an NUE: EOF Director TSC Director Vice President, Operations General Manager, Plant Operations Unit 1 and 2 Plant Managers Unit 1 and 2 Operations Managers Communications Manager NRC Resident Inspector CEC Manager Duty Emergency Planner 4.1.1 Dial *9-890-0841*

- 4.1.2 When asked for password, enter "1234".
- 4.1.3 When asked for the phone number, enter "0001" for a Unit 1 event

OR

"0002" for a Unit 2 event.

- 4.2 For ALERT or higher:
 - 4.2.1 Dial *9-964-1645*
 - 4.2.2 When asked for password, enter "1234".
 - 4.2.3 When asked for the phone number, enter "1111" for a Unit 1 event

OR

"2222" for a Unit 2 event.

NOTE

The material contained within the symbols (*) is proprietary or private information.



	FORM NO.	REV.
INITIAL NOTIFICATION CHECKLIST	1903.011BB	023-05-0
		020000

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Page 3 of 4

Time

INSTRUCTIONS

5. Confirm fax receipt.

NOTE DEF/VS will send you a return fax of the message you sent.

Do NOT perform roll-call until you have received this fax.

5.1. Pick up DEF/VS phone handset.

Press RED button on DEF/VS phone.

Ask responding agencies to hold.

Read message to agencies:

"I am calling from Arkansas Nuclear One. Please confirm receipt of "Initial" fax, message # ____."

5.2 Perform roll-call:

> Conway County Johnson County Logan County Pope County Yell County Department of Emergency Management

Arkansas Dept. of Health

Person Contacted

Time

CONTINGENCY ACTIONS

5. None

NOTE Use of DEM Emergency Action Authenticator may be required when contacting agencies by non-dedicated phone.

5.1 Call ADH at *9-1-501-661-2136* and confirm fax receipt. (Alternate number *9-1-800-633-1735*)

Person Contacted

Request ADH to notify other agencies.

IF ADH cannot be reached by phone, THEN contact DEM at *9-1-501-730-9750* or radio (Channel 6 unscrambled) and request them to relay notification.

5.2 IF any agencies do NOT confirm fax receipt, THEN request ADH to confirm receipt with those agencies.

> IF ADH does not respond to rollcall,

THEN Call ADH at *9-1-501-661-2136* and confirm fax receipt. (Alternate number *9-1-800-633-1735*)

Person Contacted

Time

IF ADH cannot be reached by phone, THEN contact DEM at *9-1-501-730-9750* or radio (Channel 6 unscrambled) and request them to relay notification.

NOTE

The material contained within the symbols (*) is proprietary or private information.

IIILE.	FORM NO	LDEV
INITIAL NOTIFICATION CHECKLIST	1903.011BB	023-05-0

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INSTRUCTIONS	CONTINGENCY ACTIONS
The Nuclear Regulatory Commission (NRC) s following notification of the ADH and SHA declaration of an emergency class.	E SHALL be notified immediately ALL NOT exceed 1 hour following the
6. [Using ENS telephone call the NRC, numbers located on telephone. Read message from 1903.011Y to NRC Communicator.]	 [Using commerical telephone, call NRC, *9-1-301-816-5100*. Read me from 1903.011Y to NRC Communicator
Person Contacted Time	Person Contacted Time
[Use non-dedicated fax to send 1903.011Y to NRC Operations Center at >>-1-301-816-5151*.]	7. None
NOT: A followup notification using Form 1903.0 approximately 30 minutes after this notif	10C is required within ication.
ons performed by:	
ons performed by:(name)	(date) (time)
ons performed by:(name)	(date) (time)
ons performed by:	(date) (time) (*) is proprietary or private

.

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Page 1 of 3

ACTIONS FOR FOLLOWUP NOTIFICATION

*

NO	TE
Followup Notifications are required:	
· within encrymetals 20 -i-	
when a significant charge	after an Initial Notification
-prognosis changes	s such as
-Protective Action Recommendati	ons change
-a radiological release begins	or ends
-the radiological release rate	changes significantly
• within I hour after the last no	tification
 as directed by the person with i 	Emergency Direction and Control
NO	PP
The Emergency Telephone Directory contai	ns emergency telephone numbers
	energener cerephone numbers.
INSTRUCTIONS	CONTINGENCY ACTIONS
. Complete 1903.011Z for	1. None
Message # . Refer to Attachment	
to for instructions.	
. Place 1903.011Z face down in DEF/VS	2. Use non-dedicated far to cond
document tray and press RED fax	1903.011Z to ADH at *9-1-501-67:
button.	1406*.
Time: Date:	Time: Date:
	From the Control Room:
	Use non-dedicated fax to send
	1903.011Z to:
	TSC: *858-6622*
	EOF: *858-6957*
	From the TSC:
	1903.011Z to:
	EOF: *858-6957*
	From the EOF:
	Use non-dedicated fax to send
	1903.011Z to:
	TEC: #858-6633*

The material contained within the symbols (*) is proprietary or private information.

TITLE:		FORM NO.	REV.
	FOLLOWUP NOTIFICATION CHECKLIST	1903.011CC	023-05-0
APPROX AND ADDRESS OF ADDRESS A			

INSTRUCTIONS

3. Confirm fax receipt.

4

NOTE DEF/VS will send you a return fax of the message you sent.

Do NOT perform roll-call until you have received this fax.

3.1 Pick up DEF/VS phone handset.

Press RED button on DEF/VS phone.

Ask responding agencies to "Hoid".

Read message to agencies:

"I am calling from Arkansas Nuclear One. Please confirm receipt of "Follow-up" fax, message # ____."

3.2 Perform roll-call:

Conway County Johnson County Logan County Pope County Yell County Department of Emergency Management

Arkansas Dept. of Health

Person Contacted

Time

Page 2 of 3 CONTINGENCY ACTIONS

3. None

NOTE Use of DEM Emergency Action Authenticator may be required when contacting agencies by non-dedicated phone.

3.1 Call ADH at *9-1-501-661-2136* and confirm fax receipt. (Alternate number *9-1-800-633-1735*)

Person Contacted

Time

Request ADH to notify other agencies.

IF ADH cannot be reached by phone, THEN contact DEM at *9-1-501-730-9750* or radio (Channel 6 unscrambled) and request them to relay notification.

3.2 IF any agencies do NOT confirm fax receipt, THEN request ADH to confirm receipt with those agencies.

> IF ADH does not respond to rollcall, THEN Call ADH at *9-1-501-661-2136* and confirm fax receipt. (Alternate number *9-1-800-633-1735*)

Person Contacted

Time

IF ADH cannot be reached by phone, THEN contact DEM at *9-1-501-730-9750* or radio (Channel 6 unscrambled) and request them to relay notification.

NOTE

The material contained within the symbols (*) is proprietary or private information.

EMTITLE		PORTFER OF SHELING AND ADDRESS OF THE DESIGNATION O	
reserved and the base		FORM NO.	REV.
	FOLLOWUP NOTIFICATION CHECKLIST	1903.011CC	023-05-0
CO-SIGNO DISTANCE PROMOTING STORE SHIPPON AND LOD			

NOTE The Nuclear Regulatory Commission (NRC) SHALL be notified immediately following notification of the ADH and NOT later than 1 hour following the declaration of an emergency class. INSTRUCTIONS CONTINGENCY ACTIONS 4. IF notifications are being performed 4. None in the TSC or EOF, THEN skip steps 5 and 6. 5. Verify CNS functioning by any of the 5. None methods in Attachment 9. NOTE ERDS must be started within 1 hour of the declaration of an ALERT or higher emergency class. [6. IF an ALERT or higher emergency class 6. None has been declared, THEN start ERDS.

- 6.1 Exit the System Status screen on the RDACS terminal.
- 6.2 Select option 9 (ERDS Subsystem) on the Main Menu.
- 6.3 Start ERDS by selecting option 1 for Unit 1 OR option 3 for Unit 2.]

The NRC Event Notification Worksheet (NRC Form 361) may be used as an aid in providing information about the emergency to the NRC.

7. [Using ENS telephone, call the NRC, numbers listed on telephone. Transmit information from 1903.011Z and NRC Form 361 (if completed).]

Person Contacted

8. [Using commercial facsimile, number *9-1-301-816-5151*, transmit information from 1903.011Z and NRC Form 361 (if completed) to the NRC Operations Center.] 7. [Using commercial telephone, call the NRC, *9-1-301-816-5100*, Transmit information from 1903.011Z and NRC Form 361 (if completed).]

FORM NO.

Person Contacted

Time

8. None

Actions performed by:

(name)

(date)

(time)

The material contained within the symbols (*) is proprietary or private information.

Time

FORM TITLE

1

FOLLOWUP NOTIFICATION CHECKLIST

REV

Actions for Courtesy Calls

5

Pag	e 45	of	66
			00

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Pa	an)		0	+	1
- LA	90	-	~	÷	-

 An UNPLANNED reactor trip from pow An event has occurred for which a A notification has been made or wi agencies for events that have impa and safety. 	er has occurred. news release is planned. 11 be made to other government cted or will impact the public health
Notification to the ADH and the NRC SHO NOT later than four hours following the	OTE OLD be made as soon as practical but e event.
INSTRUCTIONS	CONTINGENCY ACTIONS
1. Complete 1903.011AA.	1. None
Use of DEM Emergency Action Authenticat agencies by non-dedicated phone.	DTE or may be required when contacting
2. Use non-dedicated fax to send 1903.0114 to ADH at *9-1-501-671-1406*.	AA 2. Call ADH at *9-1-501-661-2136* and verbally provide the information from
Time: Date:	Time: Date:
	IF ADH cannot be contacted by phone, contact DEM by phone at *9-1-501-730- 9750* or by radio (Channel 6 unscramb and request them to relay notificatio ADH.
3. Confirm fax receipt by calling ADH at * 1-501-661-2136*. (Alternate number *9- 800-633-1735*) Person Contacted Time	3. IF ADH cannot be contacted by phone, contact DEM by phone at *9-1-501-730- 9750* or by radio (Channel 6 unscramb and request them to relay notificatio ADH.
4. Start CNS using Att. 9. Section 3	4 Perform Att 11 stop 4
5. Complete the NRC Event Notification Worksheet (NRC Form 361).	5. None
6. Use ENS phone to transmit information from NRC Form 361 to NRC.	6. Use commercial phone at *9-1-301-816- 5100* to transmit information from NR Form 361 to NRC.
Person Contacted Time	Person Contacted Time
7.Fax NRC Form 361 to the NRC Operations Center at *9-1-301-816-5151*.	(7. None
Actions performed by:(name)	(date) (time)
The material contained within the selection	TE
ine material contained within the symbols () is proprietary or private information.

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PROCEDURE/WORK PLAN TITLE:	EMERGENCY RESPONSE/NOTIFICATIONS		
PROC./WORK PLAN NO.	1903.011		

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ATTACHMENT 5

ALTERNATE ERO NOTIFICATION SCHEME

This attachment is meant to provide guidance for notification to the Emergency Response Organization if. A. An Alert or higher emergency class is declared, AND

- The Computerized Notifications System is out-of-service. ú

1.0

- As directed by the person in Emergency Direction and Control, the communicator will initiate notifications to the ERO. 1.1 Use the 'All Call' pager number from the Emergency Telephone Directory or the Emergency Response Duty Roster to access all of the ERO pagers. 1.2 Transmit the numeric message of '1111' (for Unit 1) or '2222' (for Unit 2) by pressing the numbers on a touch-tone phone key pad.
- Further notification responsibilities are denoted by Figure 1. 2.0
- Each person who staffs an ERO position shall implement tasks in accordance with applicable Emergency Response Facility Procedures 1903.064 1903.067. 3.0





conditions or radiological conditions change.

4

1903.011

PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE/NOTIFICATIONS

ATTACHMENT 6

Page 2 of 4

PROTECTIVE ACTION RECOMMENDATIONS (PAR) FOR GENERAL EMERGENCY

PAR No. 1

IF plant conditions meet the following criteria:

· General Emergency declared

THEN, recommend evacuating a 2 mile radius and 5 miles downwind, and sheltering the remainder of the 10 mile EPZ. Determine the affected zones for the PAR from the chart given below.

Wind Direction (from)	Evacuate Zones	Shelter Zones
348.75 to 11.25	GU	Remainder of FD7
11.25 to 33.75	GRU	Remainder of EPZ
33.75 to 56.25	GRU	Remainder of FPZ
56.25 to 78.75	GRU	Remainder of EPZ
78.75 to 101.25	GNOR	Remainder of EPZ
101.25 to 123.75	GNOR	Remainder of EPZ
123.75 to 146.25	GKNO	Remainder of EPZ
146.25 to 168.75	GKNO	Remainder of EPZ
168.75 to 191.25	GKN	Remainder of EPZ
191.25 to 213.75	GK	Remainder of EPZ
213.75 to 236.25	GK	Remainder of EPZ
230.25 to 258.75	G H K	Remainder of EPZ
208.75 to 281.25	G H K	Remainder of EPZ
281.25 to 303.75	GHKU	Remainder of EPZ
303.75 to 326.25	GHU	Remainder of EPZ
340.25 to 348.75	GHU	Remainder of EPZ

IF there is a radiological release associated with this event, THEN combine PAR 1 with PAR 3.





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PROCEDURE/WORK PLAN TITLE: **EMERGENCY RESPONSE/NOTIFICATIONS**

ATTACHMENT 6

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PROTECTIVE ACTION RECOMMENDATIONS (PAR) FOR

GENERAL EMERGENCY

PAR No. 2

IF plant conditions meet the following criteria:

General Emergency declared ٠

AND

> 10% Fuel Clad Failure (actual or projected)*

AND

LOCA in progress OR Containment Atmosphere sample results indicate large amounts of fission products present; AND

Containment failure is projected OR Radiological release is in progress

THEN, recommend evacuating a 5 mile radius and 10 miles downwind. Recommend sheltering affected zones which cannot be evacuated prior to plume arrival (if known) and the remainder of the 10 mile EPZ. Determine the affected zones for the PAR from the chart given below.

Wind Direction (from)	Evacuate Zones	Shelter Zones
348 75 to 11.25	GHKNORSTU	Remainder of FP7
11.25 to 33.75	GHKNOQRSU	Remainder of EPZ
33.75 to 56.25	GHKNOQRSU	Remainder of EPZ
56.25 to 78.75	GHKNOQRSU	Remainder of EPZ
78.75 to 101.25	GHKNOPQRU	Remainder of EPZ
101.25 to 123.75	GHKNOPQRU	Remainder of EPZ
145.75 to 146.25	GHKMNOPRU	Remainder of EPZ
140.25 to 168.75	GHKMNOPRU	Remainder of EPZ
100.75 to 191.25	GHKMNOPRU	Remainder of EPZ
213 75 to 236 25	GHKLMNORU	Remainder of EPZ
236 25 to 250.25	GHJKLMNORU	Remainder of EPZ
258 75 to 281 25	GHIJKLMNORU	Remainder of EPZ
281.25 to 303.75	<u>GHIJKLNORU</u>	Remainder of EPZ
303.75 to 326.25	GHIJKNORU	Remainder of EPZ
326.25 to 348 75	GHIJKNORSTU	Remainder of EPZ
Construction of the Constr	GAIKNORSTU	Remainder of EPZ

IF there is a radiological release associated with this event, THEN combine PAR 2 with PAR 3.

NOTE Data from Attachment 7 and Attachment 8 may be more current than information obtained from Reactor Engineering.

*Refer to Att. 7 (Unit 1) or Att. 8 (Unit 2) OR if available, obtain an assessment of cor damage from Reactor Engineering. Use available trend data when assessing the potential for >10% Fuel Clad Failure.





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ATTACHMENT 6

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PROTECTIVE ACTION RECOMMENDATIONS (PAR) FOR GENERAL EMERGENCY

PAR No. 3

IF plant conditions meet the following criteria:

PROCEDURE/WORK PLAN TITLE:

General Emergency declared

AND

· EPA Protective Action Guidelines are projected to be exceeded.

1 Rem TEDE

5 Rem Child Thyroid CDE

THEN give the following Protective Action Recommendation.

EVACUATE: *Zones projected to exceed the EPA Protective Action Guidelines (obtain from dose assessment) AND Zones from PAR 1 or PAR 2 (dependent upon plant conditions).

SHELTER: Remainder of the 10 mile EPZ

*Dose assessment PAR's will be initially provided by the Initial Dose Assessor in the Control Room. When the Dose Assessment Team becomes operational in the EOF, the Dose Assessment team will provide this information.

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ATTACHMENT 7

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WITH ANO-1 Radiation Monitor (RE-8060, RE-8061) Readings Containment Spray







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			ATT	ACHMENT 7			
Table :	1 <u>ANO-</u>	1 Dose Rates	vs Time WIT	Containment	Spray	Page 4 of	
TIME	1% CF	10% CF	50% CF	100% CF	50% FO	100% FO	
0.0	283.0	2829.8	14149.1	28298 2	156290 0	010550	
0.5	166.5	1665.0	8325 2	16650 5	420200.0	912560.0	
1.0	102.3	1023.3	5116.3	10232 6	100231 2	356866.4	
3.0	42.3	423.0	2114.9	4229 9	109331.2	218662.4	
6.0	34.7	347.3	1736 6	3473 3	3/3/0.9	75153.8	
12.0	27.2	272.3	1361 4	2722 0	40417.3	50434.6	
24.0	19.8	198.4	992 2	1001 3	10/89.8	37579.5	
48.0	13.6	136.0	670 9	1250 6	14380.5	28761.0	
96.0	9.6	95.6	477 9	1339.0	10674.4	21348.8	
192.0	6.0	66.2	301.2	602.5	4843.1	15077.9 9686.2	
Table 2	ANO-1	Dose Rates vs	s Time WITHO	UT Containme	nt Spray		
TIME	1% CF	10% CF	50% CF	100% CF	50% FO	100% FO	
0.0	283.0	2829.8	14149 1	28208 2	45 6000 0		
0.5	258.7	2587.0	12935.1	25870 2	400280.0	912560.0	
1.0	237.6	2376.3	11881.3	23762 6	193265 6	457054.4	
3.0	185.9	1858.6	9293.2	18586 5	102205.0	364531.2	
6.0	149.6	1496.0	7480.0	14960 0	79961 2	214552.8	
12.0	114.4	1144.1	5720.4	11440 9	61070 4	157722.4	
24.0	82.5	824.8	4123.9	8247 8	17/10 0	123956.8	
48.0	57.4	574.1	2870.3	5740 7	34/410.8	94837.6	
96.0	40.2	401.8	2009.1	4018 2	2244/1.4	68942.7	
192.0	26.5	264.5	1322.7	2645 5	11712 7	44938.1	
					++/+2./	23421.4	

Time is in hours since shutdown DOSE RATES are in R/hr CF is Clad Failure Incident

FO is Fuel Overheat Incident

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		CORE FUEL DAMAGE ASSE UNIT-2	SSMENT		AGE I OL
1.0 De	termine	the average power for the unit for	the last 30 days.		
Av	erage Po	ver = %			
2.0 De	termine	uel Factor			
F F	uel actor	= 100% 🐥 Average Power			
Corr	act moni	nimum of 30 days at 100 percent po	wer. The correcte	ed R/hr v	will
torr for moni t t	ect moni the requ in the al tor eadings n the ev	nimum of 30 days at 100 percent po for readings in the event the unit red time. Sence of a significant containment should be considered valid. ent of a significant containment t	wer. The correcte has not run at 10 temperature trans	sient,	will nt
corr for * I moni r * I 3.0 De	ect moni the requ in the al tor eadings in the ev eadings termine	Aimum of 30 days at 100 percent po for readings in the event the unit red time. Sence of a significant containment should be considered valid. ent of a significant containment t may be erratic for a short duration orrected containment radiation less	wer. The correcte has not run at 10 temperature trans emperature transie n (Ref.IN-97-45, S	sient, mon	will nt itor nt 1)
corr for * I moni * I * I 3.0 Def	ect moni the requ in the al tor eadings n the ev eadings termine	nimum of 30 days at 100 percent po for readings in the event the unit red time. Sence of a significant containment should be considered valid. ent of a significant containment t may be erratic for a short duratio orrected containment radiation lev	emperature transie wer. The correcte has not run at 10 temperature trans emperature transie n (Ref.IN-97-45, S yel from the follow	sient, mon percer sient, ent, mon Supplement wing mon	will nt itor nt 1) itors:
corr for * I moni * I * I * I 3.0 Def 3.	ect moni the requ in the al tor eadings n the ev eadings termine	Aimum of 30 days at 100 percent po for readings in the event the unit red time. Sence of a significant containment should be considered valid. East of a significant containment the may be erratic for a short duration orrected containment radiation less 925-1 R/hr x Fuel Factor (1990)	wer. The correcte has not run at 10 temperature trans emperature transie n (Ref.IN-97-45, S yel from the follow	sient, mon percer sient, ent, mon Supplement wing mon	will nt itor nt 1)
corr for * 1 moni * 1 * 1 * 3.0 Def 3.0 Def 3.0 Jef	ect moni the requ in the al tor eadings n the ev eadings termine 1 2RY- 2 2RY-	Aimum of 30 days at 100 percent po for readings in the event the unit red time. Sence of a significant containment should be considered valid. ent of a significant containment the may be erratic for a short duration orrected containment radiation leve 925-1 R/hr x Fuel Factor (19925-2 R/hr x Fuel Factor (1993)	wer. The correcte has not run at 10 temperature trans emperature transie n (Ref.IN-97-45, S vel from the follow from step 2)	wing mon	will nt itor nt 1)
corr for * 1 moni * 1 * 1 * 3.0 3.0 Def 3.0 3.0 4.0 Def	ect moni the requ in the requ tor readings in the ev readings termine 1 2RY- 2 2RY- cermine	Aimum of 30 days at 100 percent po for readings in the event the unit ared time. CAUTION sence of a significant containment should be considered valid. ent of a significant containment the nay be erratic for a short duration orrected containment radiation leve 925-1 R/hr x Fuel Factor (19 925-2 R/hr x Fuel Factor (19 ours since shutdown.	wer. The correcte has not run at 10 temperature trans emperature transie n (Ref.IN-97-45, S vel from the follow from step 2)	wing mon	will nt itor nt 1) itors:

6.0 **IF** containment spray **IS NOT** in operation, **THEN** use graph, page 3 of 4, or Table 2, page 4 of 4, of this attachment to determine fuel damage.





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		ATTACHMENT 8				Pac	ae 4 of
Table 1	ANO-2	Dose Rates vs	Time WITH	Containment	Spray		
TIME	1% CF	10% CF	50% CF	100% CF	50% FO	100% F	0
0.0 0.5 1.0 3.0 6.0 12.0 24.0 48.0 96.0 192.0 Table 2 TIME	321.6 189.2 116.3 48.1 39.5 30.9 22.5 15.5 10.9 6.8 ANO-2 1% CF	3215.7 1892.1 1162.8 480.7 394.7 309.4 225.5 154.5 108.6 68.5 Dose Rates vs 10% CF	16078.5 9460.5 5814.0 2403.4 1973.4 1547.1 1127.5 772.5 543.0 342.3 Time WITHO 50% CF	32157.0 18921.0 11628.0 4806.7 3946.8 3094.1 2254.9 1545.0 1086.0 684.6 DUT Containme	518500.0 202765.0 124240.0 42701.0 28656.0 21352.0 16341.5 12130.0 8567.0 5503.5 ent Spray 50% FO	1037000 405530 248480 85402 57312 42704 32683 24260 17134 11007	.0 .0 .0 .0 .0 .0 .0 .0 .0
0.0 0.5 1.0 3.0 6.0 12.0 24.0 48.0 96.0 192.0	321.6 294.0 270.0 211.2 170.0 130.0 93.7 65.2 45.7 30.1	3215.7 2939.8 2700.3 2112.1 1700.0 1300.1 937.3 652.4 456.6 300.6	16078.5 14699.0 13501.5 10560.5 8500.0 6500.5 4686.3 3261.8 2283.1 1503.1	32157.0 29398.0 27003.0 21121.0 17000.0 13001.0 9372.5 6523.5 4566.1 3006.2	518500.0 259690.0 207120.0 121905.0 89615.0 70430.0 53885.0 39172.0 25533.0 13311.0	1037000 519380 414240 243810 179230 140860 107770 78344 51066 26622	. 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0

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Time is in hours since shutdown

DOSE RATES are in R/hr

CF is Clad Failure Incident

FO is Fuel Overheat Incident



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	in the matter of	P	age 1 of
	Computerized Notification System (CNS) Instruction	ons	
Section 1:	Emergency Class Notification Using the CNS		
Section 2:	Post-trip Notification Using the CNS		
Section 3:	Non-Emergency/Off-Normal Notification Using the CNS	3	
Section 4:	Confirming CNS Operation		
Section 5:	Stopping a Scenario		
Section 6:	Returning the CNS to Standby		

NOTE

Upon loss of off-site power, Unit 2 would have to start CNS from the Unit 1 Terminal.

The CNS terminal has an automatic screen-blanking feature. If the screen is blank, press any key to restore the screen.

Section 1: Emergency Class Notification Using the CNS

- 1. At the Application: Communicator: Password Entry screen, type "0002".
- 2. Press [Enter].
- At the Application: Communicator: Main Menu screen, highlight "Execution" using the right or left arrow keys.
- 4. Press [Enter].
- 5. Using the up or down arrow keys, highlight "Scenario Control".
- 6. Press [Enter].
- 7. At the Application: Communicator: Scenario Activation Control screen, highlight the appropriate scenario using the up or down arrow keys.
- 8. Press [Enter].
- 9. A list of options will appear. Using the up or down arrow keys, highlight the option "Start this scenario".
- 10. Press [Enter].
- 11. At the prompt "Confirm Scenario start? (Y/N): __N_", enter "Y".
- 12. Press [Enter] to start the scenario.





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Section 1: Emergency Class Notification Using the CNS (Continued)

- 13. Observe the Application: Communicator: Scenario Activation Control screen. Check that the scenario status changes to "Active".
- 14. The scenario will run until all positions are filled, the scenario duration elapses, or it is stopped by the operator.
- 15. If you want to confir CNS operation, go to Section 4 of this attachment.

Section 2: Post-Trip Notification Using the CNS

The CNS terminal has an automatic screen-blanking feature. If the screen is blank, press any key to restore the screen.

- 1. At the Application: Communicator: Password Entry screen, type '0002".
- 2. Press [Enter].
- At the Application: Communicator: Main Menu screen, highlight "Execution" using the right or left arrow keys.
- 4. Press [Enter].
- 5. Using the up or down arrow keys, highlight "Scenario Control".
- 5. Press [Enter].
- 7. At the Application: Communicator: Scenario Activation Control screen, highlight the appropriate scenario using the up or down arrow keys.
- 8. Press [Enter].
- A list of options will appear. Using the up or down arrow keys, highlight the option "Start this scenario".
- 10. Press [Enter].
- 11. At the prompt "Confirm scenario start? (Y/N): __N_," enter "Y".
- 12. Press [Enter] to start the scenario.
- 13. Observe the Application: Communicator: Scenario Activation Control Screen. Check that the scenario status changes to "Active."
- 14. The scenario will run until all positions are filled, the scenario duration elapses, or it is stopped by the operator.
- 15. If you want to confirm CNS operation, go to Section 4 o. "his attachment.

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Section 3: Non-Emergency/Off-Normal Notification Using the CNS

NOTE The CNS terminal has an automatic screen-blanking feature. If the screen is blank press any key to restore the screen.

NOTE

You must use the phone to start the scenarios covered by this section.

- Dial 3683 from any touch-tone phone. While the system is speaking the "Hello" 1. segment, enter 0002 followed by the pound sign (#).
- 2. You will hear, "Enter your scenario number followed by the pound sign."
- 3. Enter the scenario number (100 for Unit 1 or 200 for Unit 2) followed by the pound sign (#).
- 4. You will hear, "You entered (scenario number). Is that correct? Press 9 for YES or 6 for NO."
- Press 9 for YES or 6 for NO. If you press 9 the system will continue scenario 5. activation. If you press 6 the system will repeat the prompt for the scenario number.
- After pressing 9 for YES you will hear, "The scenario will be queued as a(n) 6. (Emergency, Drill, or Test). When you are ready to record your message, please press the star and the pound keys on your phone."
- When you are ready to record your message, press the star (*) and the pound 7. (#) keys.
- 8. You will hear, "Record your message at the tone. Push the pound key when you are finished."
- 9. Record the message. Press [#] when you are done.
- You will hear, "You said ... (the system will speak your recorded message). Is that correct? Press 9 for YES or 6 for NO."
- If you press 9 for YES the system will continue scenario activation. If you 11. press 6 for NO the system will repeat the prompt to record the message.
- 12. After pressing 9 for YES you will hear, "Your selected scenario, (scenario number) will now be sent. Are you sure this is what you want to do? Press 9 for YES or 6 for NO."
- If you press 9 for YES the system will continue scenario activation. If you 13. press 6 for NO you will hear, "Thank you. Goodbye." The system will end the call without starting the scenario.





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Section 3: Non-Emergency/Off-Normal Notification Using the CNS (Continued)

- 14. After pressing 9 for YES, you will hear, "Thank you. Goodbye." The system will end the call and start the scenario.
- 15. Any further scenario control functions must be performed at the keyboard.
- 16. If you want to confirm CNS operation, go to Section 4 of this attachment.

Section 4: Confirming CNS Operation

Using the Scenario Monitor:

NOTE IF you are at the Application: Communicator: Scenario Activation Control screen, press [Esc]. THEN go to step 5.

- 1. At the Application: Communicator: Password Entry screen enter '0002'.
- 2. Press [Enter].
- At the Application: Communicator: Main Menu screen highlight "Execution" 3. using the left or right arrow keys.
- 4. Press [Enter].
- 5. Highlight "Scenario Monitor" using the up or down arrow keys.
- 6. Press [Enter].
- 7. The Scenario Monitor will show the status of the scenario that is currently running or that has most recently been run.
- Observe the Scenario Monitor screen. Check that the system is attempting to 8. contact personnel.
- Press [Esc] to exit the Scenario Monitor. 9.

Using the Status Screen:

- 1. At any screen press [Ctrl 2]. You must use the number pad.
- 2. The Status Screen will show the phone lines.
- 3. Observe the Status screen. Check that the system is making and receiving calls.
- Press [Ctrl 1] (using the number pad) to return to the system operation 4. screens.

Using the Reports

- The system will print a report every 5 minutes. 1.
- 2. Check the reports to see that personnel are responding to the CNS.





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Section 5: Stopping a Scenario

- At the Application: Communicator: Main Menu screen, highlight "Scenario Control" (if not already highlighted) using the up or down arrows.
- 2. Press [Enter].
- 3. Using the up or down arrow keys, highlight the scenario to be stopped.
- 4. Press [Enter].
- 5. A list options will appear. Highlight the option "Stop this scenario."
- 6. Press [Enter].
- 7. At the prompt "Confirm scenario stop? (Y/N): N " enter "Y".
- 8. Press [Enter].
- 9. Observe the Application: Communicator: Scenario Activation Control screen. Check that the scenario status changes to "Completed".

Section 6: Returning the CNS to Standby

- 1. Press [Esc] as many times as necessary to return to the Application: Communicator: Main Menu.
- At the Application: Communicator: Main Menu highlight "Exit" using the left or right arrow keys.
- 3. Press [Enter].
- 4. At the prompt "Exit to system" press [Enter].
- 5. The system should return to the Application: Communicator: Password Entry screen.
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ATTACHMENT 10

Notification Instructions

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AUTHENTICATION

If challenged by the Arkansas Department of Health (ADH) or the Department of Emergency Management (DEM) communicator to identify yourself, use the DEM Emergency Action & thenticator to provide the proper two-digit response.

TIME REQUIREMENTS

Emergency Class Declaration:

The ADH shall be notified within 15 minutes of an emergency class declaration, change (upgrade or downgrade), or termination.

A Followup Notification to the ADH is required within approximately 30 minutes after an Initial Notification.

A Followup Notification is required within one hour after the previous Followup Notification.

The Nuclear Regulatory Commission (NRC) shall be notified immediately after notification of the ADH and NOT later than one hour following the declaration of an emergency class.

Courtesy Calls:

The ADH shall be notified as soon as practical but no later than four hours following the event.

The NR^ shall be notified immediately following the ADH but no later than four hours following the event.

INSTRUCTIONS

Form 1903.011Y, "Emergency Class Initial Notification Message":

- Number messages sequentially from the initial notification at the beginning of the event to the event termination message.
- Wind speed and direction are obtained from the RDACS System Status screen (preferred), chart recorders in the Unit 1 Control Room, or the Dardanelle Dam Control Room.

Protective Action Recommendations (PARs) are obtained from

- · Dose Assessment personnel
- the REAM in the EOF, or
- Attachment 6.
- 3. Self-explanatory.



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Form 1903.011Z, "Emergency Class Followup Notification Message"

- Number messages sequentially from the initial notification at the beginning of the event to the event termination message.
- 2. Self-explanatory.
- 3. Self-explanatory.
- 4. Self-explanatory.
- 5. Self-explanatory.
- 6. Self-explanatory.
- 7. Protective Action Recommendations (PARs) are obtained from
 - · Dose Assessment personnel
 - · the REAM in the EOF, or
 - · Attachment 6.

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- 8. Self-explanatory.
- 9. Self-explanatory.
- Enter a brief status of the other unit. This should include; but is not limited to; power level (if operating), shutdown status, emergency classes, etc.
- 11. Wind speed and direction are obtained from the RDACS System Status screen (preferred), chart recorders in the Unit 1 Control Room, or the Dardanelle Dam Control Room.

Stability Class is obtained from the RDACS System Status screen (preferred) or Dose Assessment personnel.

- 12. If a radiological release is occurring, the expected duration is obtained from the Shift Superintendent or the TSC Director.
- The type of release is obtained from Dose Assessment personnel or the REAM.

The release rate is obtained from Dose Assessment personnel or the REAM.

The estimate of projected off-site dose is obtained from Dose Assessment personnel or the REAM.

- 14. The type of release is obtained from Dose Assessment personnel or the REAM.
- 15. Self-explanatory.

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ATTACHMENT 11

Non-Emergency Notifications of Off-Normal Events

When directed by the Shift Superintendent to complete this attachment, perform the following steps:

- IF a Courtesy Call to the Arkansas Department of Health is required per section 6.3.1 of this procedure, THEN perform that notification using Form 1903.011AA and 1903.011DD.
- For Courtesy Calls and other Non-Emergency/Off-Normal Events, activate the appropriate "Non-Emergency/Off-Normal Event" scenario using the Computerized Notification System" (CNS). Refer to CNS instructions on Attachment 9, Section 3.
- Monitor CNS to ensure it is functioning properly and review reports generated by CNS.
- 4. IF CNS fails,

THEN provide notification to the following Entergy and NRC representatives via telephone. You show attempt to notify all of the representatives listed below. Some individuals may be unavailable,; however, this is a courtesy notification for information only and not a requirement:

Operations Manager of the affected unit(s) Plant Manager of the affected unit(s) General Manager Plant Operations Vice President, Operations EOF Director TSC Director NRC Resident Inspector Communications Manager CEC Manager Duty Emergency Planner

If this method is used, document successful contacts in the station log.

5. Report to the Shift Superintendent when the above actions have been completed.