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		ACTIVATION		030710	<	0		860918	
EPIP-14A		RELEASE RATE DETERMINATION	06	850410	01	5	Y 1. 34	860410	2
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EPIP-15		PROTECTIVE ACTION GUIDELINES	03	850409 850627		G	Y.	860409	Z
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EPIP-17		ONSITE/OFFSITE SURVEYS AND	02	840801		4	Y	850801	Z
PIP-18		SAMPLING	Ginal State	and the second second	State Barris	(F)	. Bud Fr		S 13.
EPIP-19		EMERGENCY EXPOSURE GUIDELINES		850510			A strong been der	860510	1
PIP-20		ONSITE EVACUATION PERSONNEL ASSEMBLY AND	03	850510		-	Y	860510	z
		ACCOUNTABILITY	03	850308	01		Y ,	860308	2
EPIP-21		SEARCH AND RESCUE	03	850617	#	0	Y	860617	1
PIP-22	- 31	PERSONNEL INJURY	03	850308	100	-	A MAR CAR HE	860308	100
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PALO VERDE NUCLEAR GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURES

Procedure Number	Procedure Title	Rev.	Date Effective
EPIP #38 PCN 01	EMERGENCY EQUIPMENT AND SUPPLIS	ES 7	11/22/85
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PALO VERDE NUCLEAR GENERATING STATION

PROCEDURE CHANGE NOTICE

	PAGEof
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EPIP-03	
2a.Manager concurrence N/A to exceed 5 PCNs	DATE
3. REASON FOR PCN: To update phone ou Apprendue B.	inters found in Appendix A and
4. EXPIRATION: <u>Next Rouger</u> 5. AFFECTED STEPS: <u>Appendix A</u> <u>Appendix B</u>	CHANGE REQUIRED: Delete Rege II; Jusit IIA Delete Rege D; Jasert UA
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DATE 99 DEPT. HEAD PRB/PRG/TRRG REVIEW DATE APPROVED BY 09.10/85 EFFECTIVE DATE DN-1598A/0787A

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1.0 OBJECTIVE			
1.1 This procedure provides a seri taken upon declaration of a NO	es of implementing TIFICATION OF UNUS	actions to be JAL EVENT.	
2.0 <u>REFERENCES</u>			
2.1 Implementing References			
2.1.1 EPIP-02, "Emergency Classi:	fication"		
2.1.2 EPIP-11, "Technical Support		TSC Activation"	
2.1.3 EPIP-22, "Personnel Injury"			
2.1.4 EPIP-23, "Fire Fighting"			
2.1.5 • 9N219.05.00, "Document/Reco	ord Turnover Contro	1"	19
2.2 Developmental References		김 사람이 있는	ľ
2.2.1 NUREG-0654, Rev. 1, "Criter of Radiological Emergency R Support of Nuclear Power Pl	esponse Plane and	and Evaluation Preparedness in	
2.2.2 PVNGS Emergency Plan, Rev.	6		P
3.0 LIMITATIONS AND PRECAUTIONS			1
3.1 Continued surveillance and asse necessary to ensure that the em appropriately revised as condit information is obtained.	AFGARAN Alamedice	a di mana di ma	
3.2 Notifications to State/County a Notification Call List - Emerger shall be commenced within 15 min emergency.	nev (aardinarau/em	10 10	

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NOTI EVENT	FICATION OF UNUSUAL IMPLEMENTING ACTIONS	REVISION 9	Page 6 of 26
4.0 <u>DETA</u>	ILED PROCEDURE		
4.1 Pe	rsonnel Indoctrination/Resp	onsibilities	
4.1.1	In a NOTIFICATION OF UNUS available to take precaut prevent a more serious even consequences that may occup plant in a readiness posit routine activities and/or No releases of radioactive response are expected. An state/county authorities in	ionary and construct ent and/or to mitig ur. This event station for possible c augmentation of on e material requirin	tive steps to ate any tus places the essation of shift resources.
4.1.2	The Shift Supervisor shall procedure. The Emergency for completing the impleme	Coordinator shall	ha rarnana (hla
4.2 Pre	requisites		
4.2.1	The emergency has been cla Classification."	assified per EPIP-0	2, "Emergency
4.3 Ins	tructions		
4.3.1	The affected unit Shift Su following:	pervisor shall per:	form the
	NO	TE	
	Designated Unaffected to assume the role of Coordinator in the <u>On</u> Organization are:	the Emergency	lsor
	Affected Unit Unaf Unit 1 Unit 2 Unit 3 Entire Site	fected Unit Shift S Unit 2 Unit 1 Unit 2 Unit 2 Unit 1	Supervisor

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- 4.3.1.1 Notify the Shift Supervisor of the designated unaffected unit (or Shift Supervisor of an unaffected unit) to report to the Control Room of the affected unit and assume the duties of the onshift Emergency Coordinator. For NOTIFICATION OF UNUSUAL EVENT, it will be at the discretion of the affected unit Shift Supervisor if he is to be relieved as Emergency Coordinator by the shift supervisor of an unaffected unit.
- 4.3.1.2 Notify the Control Rooms of the unaffected units.
- 4.3.1.3 Announce the following over the plant wide telephone page (phone no. (This may be delegated.) "ATTENTION ALL PLANT PERSONNEL - A NOTIFICATION OF UNUSUAL EVENT HAS BEEN DECLARED. SATELLITE TECHNICAL SUPPORT CENTER, AND OPERATIONS SUPPORT CENTER EMERGENCY PERSONNEL FOR UNIT , REPORT TO YOUR EMERGENCY STATION. OTHER PERSONNEL ASSIGNED TO THE EMERGENCY ORGANIZATION - STANDBY. ALL OTHER PERSONNEL CONTINUE WITH NORMAL ROUTINE UNTIL FURTHER NOTICE".

(Give a brief description of the event, if appropriate, and repeat the announcement).

4.3.1.4 Repeat the announcement in step 4.3.1.3 over the site warning siren/public address system.

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NOTE

Protective Action recommendations (Appendix H) are based on plant and containment conditions and these recommendations are made to officite officials even when no release is in progress.

NOTE

If the emergency is terminated before initial notifications are finished, complete the notifications per Appendix, A; then repeat Appendix A with the notification of termination. If the emergency is terminated before initial notification can be started, provide both initiating and terminating messages in the same call.

- 4.3.1.5 Direct the Satellite TSC Communicator to fill out Appendix C, "Initial Emergency Message Form", in accordance with instructions provided in Appendix F, and make notifications per Appendix A.
- 4.3.1.6 Ensure the actions of the appropriate Recovery procedures have been implemented.
- 4.3.2 The Emergency Coordinator/Shift Supervisor shall perform the following:
 - 4.3.2.1 Ensure actuation of the Satellite TSC in accordance with EPIP-11, "Technical Support Center/Satellite TSC Activation".
 - 4.3.2.2 Implement additional Emergency Plan Implementing Procedures according to the situation that resulted in the emergency being classified as a NOTIFICATION OF UNUSUAL EVENT.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO. EPIP-03	
NOTIFICA EVENT IMP	TION OF UNUSUAL LEMENTING ACTIONS	REVISION 9	Page 9 of 26
4.3.2.3	needed, additional per	rsonnel should be r	reannal Té
4.3.2.4	existing on-shift organized the support the emergency deactivate and allow the normal work stations.	anization. hat the OSC is not response, notify r	required to
4.3.2.5	Direct the STSC Commun "Follow-up Emergency M instructions provided	lessage Form' in ac	Appendix D, cordance with
4.3.2.6	Reevaluate the emerger licensee actions as co EPIP-02.	ncy classification onditions change by	and perform implementing
4.3.2.7	When the situation war NOTIFICATION OF UNUSUA implementing and notif Shift Supervisor to an the public address sys Rooms. Keep PVNGS Pla event.	L EVENT, proceed to fication procedures nounce the reclass tem and inform the	and direct the ification over
4.3.2.8	The Emergency Coordina Appendix I.	tor shall complete	checklist,
UNU ter Not	GS Security, after bein rdinator or STSC Commun SUAL EVENT is in progre minated, shall complete ification Call List - P ividuals or departments	icator that a NOTIN ss or has occurred, Appendix B, "Emerg VNGS Security" and	ICATION OF or has been
4.3.4 Eme	rgency Situation Termin	ated	
4.3.4.1	Consult with the PVNGS emergency.	Plant Manager pric	r to closing ou

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		RGENCY PLAN	PROCEDURE NO. EPIP-03		
		TION OF UNUSUAL LEMENTING ACTIONS	REVISION 9	Page 10 of 26	
	4.3.4.2		r (or Emergency Coordinator) shall ng announcement over the plant wide		
		"ATTENTION ALL PERS DECLARED IN UNIT (Provide special in	HAS NOW BEEN	TERMINATED."	
	4.3.4.3	Repeat the announcement warning siren/public ad	in step 4.3.4.2 dress system.	over the site	
	4.3.4.4	Repeat the announcement	s once.		
	4.3.4.5	Direct the STSC Communi "Emergency Termination provided in Appendix F.	Message Form", pe	Appendix E, r instructions	
•	4.3.4.6	Direct the STSC communiper Appendix A.	cator to transmit	the termination	
	4.3.4.7	The S.S./E.C. shall not ext. (or beeper No during off hours) and r provided to offsite aut S.S./E.C. shall provide room logs, etc. as requ preparation of the repo	equest a written horities within 2 copies of shift ested by Complian	summary be 4 hours. logs. control	
	4.3.5 Red	ord Retention			
	4.3.5.1	Appendices A, B, C, D, 1 the Emergency Planning ensure they are forward accordance with 9N219.0 Control".	Dept., mail static ed to DDC for pro	on 6010, to per storage in	

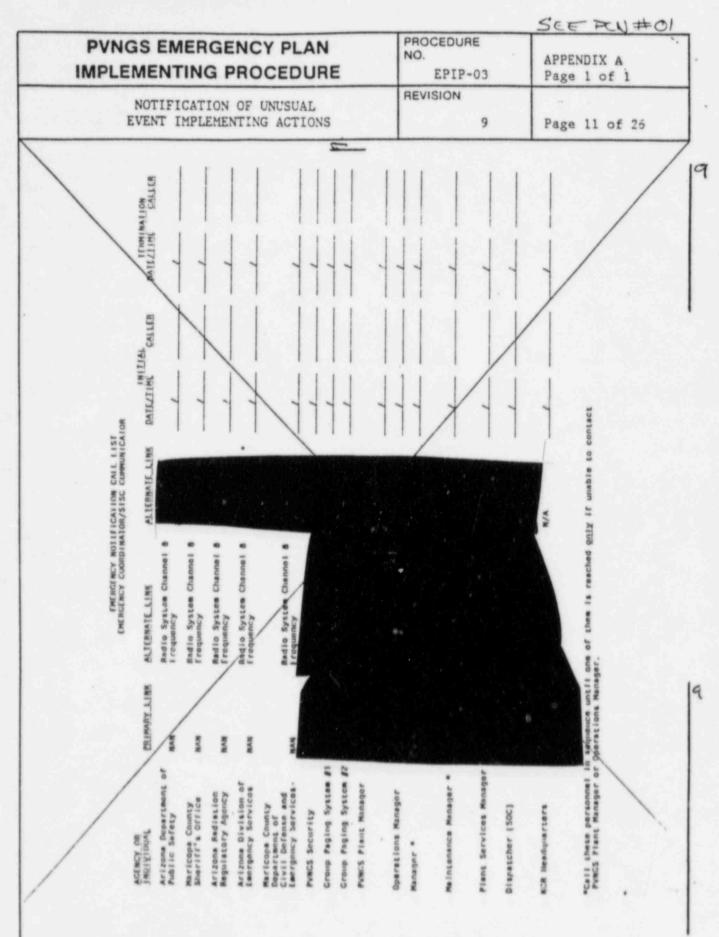
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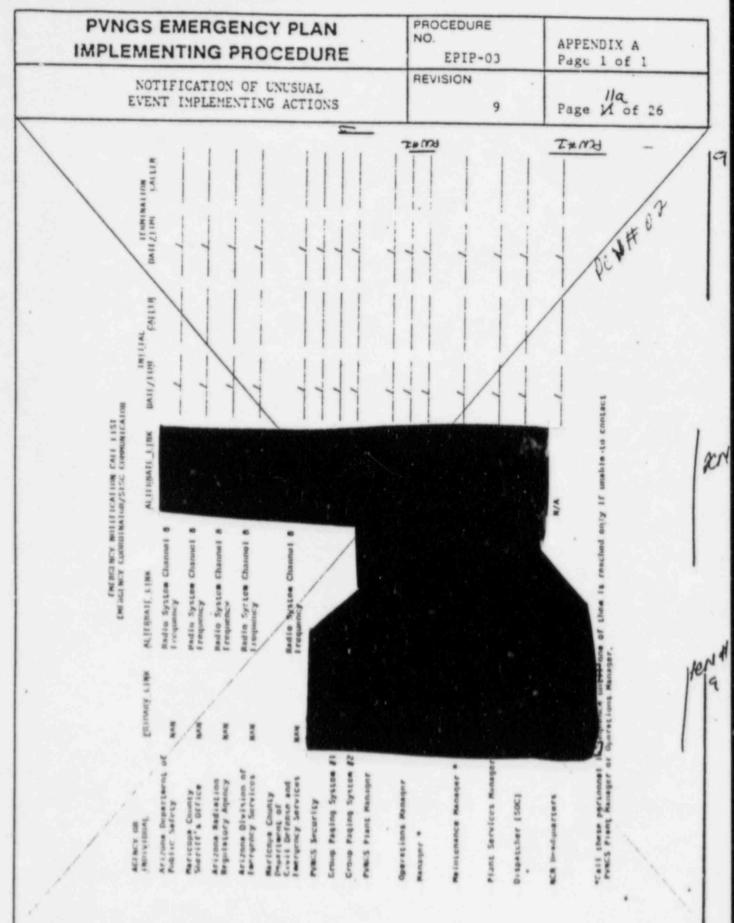
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CONTROLLED DOCUMENT

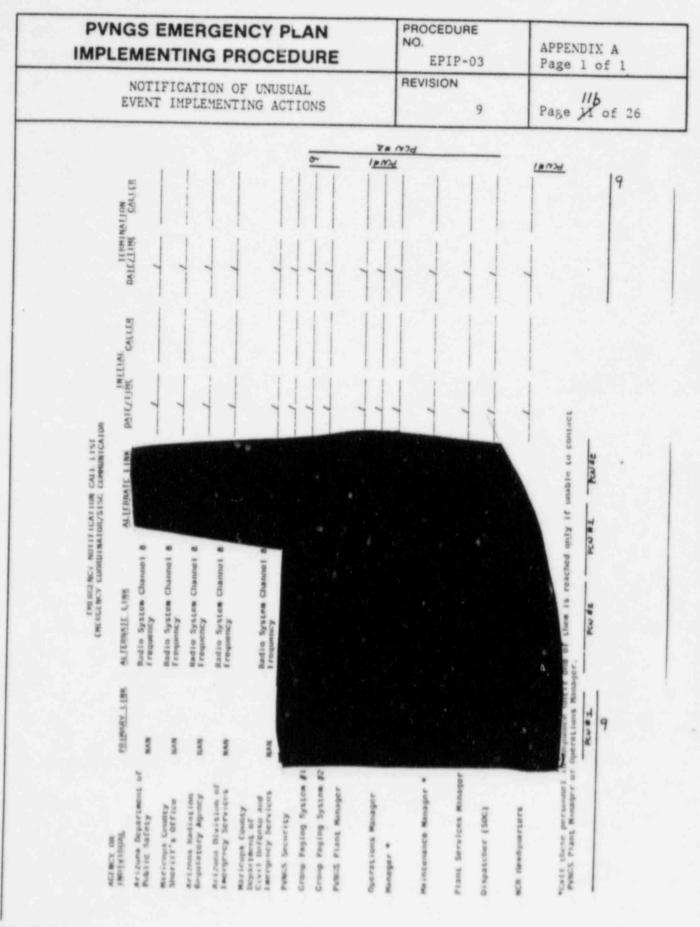
PV218-000A (8/82)

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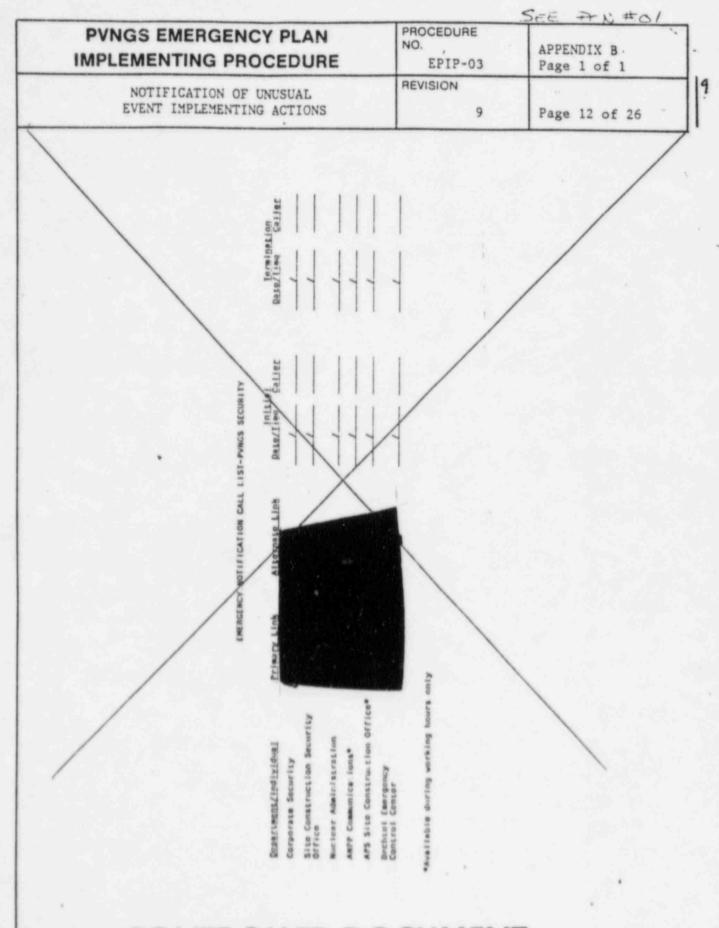
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PVNGS EMERGENCY PI		PROCEDURE NO. EPIP-03	APPENDIX B Page 1 of 1
NOTIFICATION OF UNUSU EVENT IMPLEMENTING ACT	AL IONS	REVISION	Page 12 of 26
termination Bits/lism Catter		Tamt	
HILL PANCS SECURITY			
LIM REENCY HELLICATION CALL		A sum	PC 11
Bryartaeroi,()jdividuaj Corporata Scourtiy	Site Construction Security Office Nuclear Administration ANTP Cummuications ⁶ APS Site Construction Officut	bechtest fanzyency Control Center Available during anthing hours only	
			• •

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1				PROCE		PRC NO.	EPIP-03	APPENDIX C Page 1 of	
		NOTI EVENT	FICATIO IMPLEM	N OF UNU: ENTING A	SUAL CTIONS	REV	ISION 9	Page 13 of	
			ALERT	NOTII	IAL EMERGEN FICATION OF REA EMERGEN	F UNUSUAT	GE FORM EVENT, ENERAL EMEI	RGENCY	
1.		a raio	ACUTE :	AREA EMER	GENCY) (GE	STATION ENERAL EM	(NOTIFICAT)	!! (Circle One ION OF UNUSUAL 1)) THIS EVENT
decl	ared	and the second sec	ime) -	(date)	Wind is f	from	_ degrees ·	At mph (speed)	
	PALO	VERDE	AUTHENT	ICATOR _		<u></u>			
					(authent	icator 1	etters)		
2.	This Stat	and the second se	(name	/title)	, at	the Palo	Verde Nucl	lear Generatin	g
3.	(Cir	cle One	•)						
	(a) (b)	There	is NO.	repeat N	e recommen 0 0. radioac	ded at t R tive rel	his time.	place and no	
	(c)	There	is NO.	repeat <u>N</u> followin	NO protect 0 0, radioac	ive acti R tive rel	ons are rec	ommended at the place at this mmended.	nis tim
((d)	A radi people	oactive in aff Sect	acrea se	0 <u>IS</u> , repea ctors rema	t IS. tal	king place. rs with win Distance ()	We recommend dows and doors Miles)	that close
((e)	A radio evacua	oactive tion of Sect	arrecred	01 <u>IS</u> , repea d sectors 1	t IS, tak	ting place. dered. Distance (1	We recommend Miles)	that
4. T	HIS	IS (IS	NOT) A	DRILL	(Circle Or	ne)			
	An	proved	BV						

	PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-03	APPENDIX D Page 1 of 3
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 14 of 2
	FOLLOW-UP EMERGENCY	MESSAGE FORM	
1.	Verbatim text of Message: THIS IS THIS IS A PALO VERDE NUCLEAR GENER message concerning the (NOTIFICATI AREA EMERGENCY) (GENERAL EMERGENCY (circle applic	ATING STATION follo	DW-up information (ALERT) (SIT
	declared at	1.2	
2.	(time) (date) This is, at P. (name/title)	alo Verde Nuclear G	enerating Stat:
з.	Brief description of event		
4.	 Meteorological Data		
4.	Meteorological Data a. Wind direction from (direction)	degrees) - at	_ miles per hou ed)
4.	a. Wind direction from((spe	_ miles per hou ed)
4.	a. Wind direction from (direction)	(spending) G	miles per hou ed)
4.	 a. Wind direction from (direction) from to b. Stability Class: A B C D E F 	(spe) G)	_ miles per hou ed)
	 a. Wind direction from (direction) from to b. Stability Class: A B C D E F (Circle One c. Precipitation Yes No 	(spe) G)	miles per hou ed)
5.	 a. Wind direction from (direction) from to b. Stability Class: A B C D E F (Circle One) c. Precipitation Yes No (Circle One) 	(spe) G)	_ miles per hou ed)

CONTROLLED DOCUMENT

IM	PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-03	APPENDIX D. Page 2 of 3
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 15 of 2
5.	b. Release Time		
	c. Reactor Trip Time	_	
	d. Location/Source of Release		
6.	Current Release Rates	10112	
	a. I-131 Equivalent Ci,	/second	
	b. Noble Gas Ci	/second	
	b. Noble Gas Ci, c. Particulates Ci,		
7.	Two-hour plume centerline projected of	iose at:	
	Distance Sector Whole Body C	hild Thyraid	
	Dose (REM)	lose Commitment	
		(REM)	
	Site		
	Boundary		
	2 miles		
	2 miles		
	2 miles 5 miles		
	5 miles		
	5 miles		
	5 miles 10 miles Plume arrival time offsite: 2 mi		
	5 miles 10 miles Plume arrival time offsite:2 mi5 mi		
	5 miles 10 miles Plume arrival time offsite: 2 mi 5 mi 10 mi Ruth Fisher School		
	5 miles 10 miles Plume arrival time offsite: 2 mi 5 mi 10 mi		
	5 miles 10 miles Plume arrival time offsite: 2 mi 5 mi 10 mi Ruth Fisher School	minutes	

NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS Page 16 of 24 10. The Following Emergency Measures Including Protective Actions are Recommended: 9 11. The Following Emergency Reponse Actions are Underway: 11 12. We Request the Following Onsite Support and Assistance from Offsite Sources: 11 13. Our Prognosis of the Emergency is that Conditions:	IMPLEMENTING PRO	Y PLAN CEDURE	PROCEDURE NO. EPIP-03	APPENDIX D Page 3 of 3
11. The Following Emergency Reponse Actions are Underway: 12. We Request the Following Onsite Support and Assistance from Offsite Sources: 12. We Request the Following Onsite Support and Assistance from Offsite 13. Our Prognosis of the Emergency is that Conditions:	NOTIFICATION OF U EVENT IMPLEMENTING	NUSUAL		
12. We Request the Following Onsite Support and Assistance from Offsite Sources: 13. Our Prognosis of the Emergency is that Conditions: Are Under Control Are Worsening	10. The Following Emerge Recommended:	ncy Measures Incl	uding Protectiv	e Actions are
13. Our Prognosis of the Emergency is that Conditions: Are Under Control Can Be Expected to Terminate Withinhours Are Worsening	11. The Following Emerger	ncy Reponse Actior	ns are Underway:	
Are Under Control Can Be Expected to Terminate Withinhours Are Worsening	12. We Request the Follow Sources:	ving Onsite Suppor	t and Assistanc	e from Offsite
Are Under Control Can Be Expected to Terminate Withinhours Are Worsening		the second s		
14. Other Information:				
	Are Under Control			
	Are Under Control Can Be Expected to Are Worsening			

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX E Page 1 of 1
NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 17 of 26
EMERGENCY TERMINATION	MESSAGE FORM	
1. Verbatim text of message: THIS IS THIS IS PALO VERDE NUCLEAR GENERAT UNUSUAL EVENT) (ALERT) (SITE AREA (circle approprite classification) AT	FING STATION. THE (NOTIFICATION OF EMERGENCY)
(Time) (Date)		
		at Data
2. This is	(Title)	at Palo
forde Huchear Generating Station		
3. PALO VERDE AUTHENTICATOR	Authenticator Lette:	
3. PALO VERDE AUTHENTICATOR		
3. PALO VERDE AUTHENTICATOR(Authenticator Lette: Date/Tim	
3. PALO VERDE AUTHENTICATOR(

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	GS EMERGENCY PLAN EMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX F Page 1 of 3
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 18 of 26
	INSTRUCTIONS FOR COMPLETING	APPENDIX C, D OR	E
1.0	INITIAL EMERGENCY MESSAGE FORM (APPENDIX C)	
1.1	Fill in data required by steps Emergency Message Form". Obta confidential envelope marked o month and drill sequence numbe	in authenticator f	rom the
1.2	Obtain from the Radiation Prot required to complete step 3 of	ection Monitor (on Appendix C.	shift) data
1.3	Circle appropriate wording of	step 4 of Appendix	с.
	NOTE		
	When the NAN ring button appears that all the rece line, or, the ring has sto originating station shall in the order listed below of day.)	iving stations are opped, the PVNGS initiate a roll c	a11
	NOTE		
	If the MAN dedicated telep Appendix G, "Notification Radio Backup" for instruct 8, KON-511, for notificat	Alert Network (NA	113
1.4	By means of a single call on the dedicated telephone, contact the listed in Appendix A.	ne Notification and ne following State	d Alert Net /County agencies
	Duty Hours (8:00 a.m. to 5:00 p	.m. Monday-Friday)
	Maricopa County Sheriffs Office Maricopa County Department of O Arizona Department of Public Sa Arizona Division of Emergency S Arizona Radiation Regulatory Ag	ivil Defense and H lfety ervices	Emergency Service:
	Off-Duty Hours (5:00 p.m. to 8: Saturday, Sunda	00 a.m., Monday-Fr y and Holidays)	riday, all day
	Maricopa County Sheriff's Offic Department of Public Safety	e	

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	IGS EMERGENCY PLAN EMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX F. Page 2 of 3
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 19 of 2
1.5	In the event that an offsite g not answer the NAN phone or NA drill, or actual emergency, th Communicator) shall notify the (numbers listed in App. A).	N backup radio dur	ing a test,
1.6	When contact is made, the calle request that the individuals of Emergency Message Form.	er shall identify btain a copy of th	himself and e appropriate
1.7	When each individual has obtain Emergency Message Form verbatin verbatim.	ned a copy, read t m and request MCSO	he completed to read back
1.8	Offer to repeat information and	i reiterate as nec	essary.
	NOTE		
	To verify the group page a pager installed in the STS much as two (2) minutes ma dial-up and the broadcast	SC. Be aware that	r the . as
1.9	Notify additional personnel as and inform them of the situation for both Group Paging Systems N	n. Provide the f	allowing massage
	"THIS IS PVNGS, UNIT, PLEASE RESPOND APPROPRIATE onca).	CLASSIFICATION ON LY" (Repeat messa;	E, ge
1.10	If an individual requests infor Emergency Message Form, make re give the information only after been made.	asonable efforte	to obtain and
1.11	Contact the NRC via the Emergen dedicated telephone within 60 m If the ENS phone fails, use com alternate line.	inutes of declaring	0 00 000000000
1.12	When contact is made, the calle the completed Emergency Message Verde Authenticator).	r shall identify h Form verbatim (on	nimself and read bit the Palo
1.13	Offer to repeat information and	reiterate as nece	ssary.

CONTROLLED DOCUMENT

	GS EMERGENCY PLAN EMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX F Page 3 of 3
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 20 of 26
2.0	FOLLOW-UP EMERGENCY MESSAGE FORM	(APPENDIX D)	
2.1			, "Follow-up
	NOTE		
	If the emergency is non-rates steps 4-9 may be deleted.	adiological in nat	ure,
2.2	Obtain from the Radiation Proto complete steps 4-9.	ection Monitor dat	a required to
2.3	Obtain from the Emergency Coord steps 10-14.	dinator data requi	red to complete
2.4	Circle appropriate wording in s	step 15.	
2.4	Circle appropriate wording in s Dispense information when reque ARRA).		gencies (NRC or
2.5	Dispense information when reque ARRA).	ested by offsite a	gencies (NRC or
2.5	Dispense information when reque ARRA).	ested by offsite a	
2.5 3.0	Dispense information when reque ARRA). EMERGENCY TERMINATION MESSAGE FOR Fill in data required by steps	ested by offsite a <u>AM (APPENDIX E)</u> 1-3 to Appendix E,	
2.5 3.0 3.1 3.2	Dispense information when reque ARRÅ). EMERGENCY TERMINATION MESSAGE FOR Fill in data required by steps Termination Message Form". Obtain approval from SS/EC/EOD.	ested by offsite a RM (APPENDIX E) 1-3 to Appendix E,	
2.5 3.0 3.1 3.2	Dispense information when reque ARRÅ). EMERGENCY TERMINATION MESSAGE FOR Fill in data required by steps Termination Message Form".	ested by offsite a RM (APPENDIX E) 1-3 to Appendix E,	
2.5 3.0 3.1 3.2	Dispense information when reque ARRÅ). EMERGENCY TERMINATION MESSAGE FOR Fill in data required by steps Termination Message Form". Obtain approval from SS/EC/EOD. Transmit termination per Append <u>NOTE</u> To verify the group page a pager installed in the STS much as two (2) minutes may	ested by offsite a <u>AM (APPENDIX E)</u> 1-3 to Appendix E, ix A. ctivation, monitor C. Be aware that	. "Emergency
2.5 3.0 3.1 3.2	Dispense information when reque ARRÅ). EMERGENCY TERMINATION MESSAGE FOR Fill in data required by steps Termination Message Form". Obtain approval from SS/EC/EOD. Transmit termination per Append <u>NOTE</u> To verify the group page a pager installed in the STS	ested by offsite a <u>AM (APPENDIX E)</u> 1-3 to Appendix E, ix A. ctivation, monitor C. Be aware that y lapse between announcement.	, "Emergency the as

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX G Page 1 of 2	7
NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 21 of 25	1

NOTIFICATION ALERT NETOWRK (NAN) RADIO BACKUP

CHANNEL 8 - KON511

In case of failure of the NAN ringdown telephone, the NAN backup is Channel 8 on the PVNGS radio. FCC regulations require the Palo Verde designator 'KON-511' be used to precede and conclude all outgoing communications.

- Take control of the radio channel by saying: "All stations this net," (Repeat) "All stations this net, this is K-O-N 5-1-1 Palo Verde to all 5-1-1 stations, stand by for Warning Point roll call."
- 2. Wait 30 seconds to allow the offsite agencies to get to their radios, then repeat the previous transmission.

NOTE

After 5 P.M. weekdays, all day Saturday, Sunday or holidays, Maricopa County Sheriff's Office (MCSO) and Department of Public Safety (DPS) will be the only agencies responding.

- 3. Initiate roll call of the offsite government agencies, allowing stations on the net to respond.
 - 3.1 "5-1-1 Palo Verde to 5-1-1 Maricopa County Sheriff's Office. Do you copy?" Allow response: "5-1-1 MCSO copies."
 - 3.2 "5-1-1 Palo Verde to 5-1-1 Maricopa County Department of Civil Defense & Emergency Services. Do you copy?" (MCDCD&ES) Allow response: "5-1-1 Civil Defense copies."
 - 3.3 "5-1-1 Palo Verde to 5-1-1 Department of Public Safety. Do you copy?" Allow response: "5-1-1 DPS copies."
 - 3.4 "5-1-1 Palo Verde to 5-1-1 Arizona Division of Emergency Services. Do you copy?" Allow response: "5-1-1 ADES (State EOC) copies."
 - 3.5 "5-1-1 Palo Verde to 5-1-1 Arizona Radiation Regulatory Agency. Do you Copy?" Allow response: "5-1-1 ARRA copies."

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX G Page 2 of 2
NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 22 of 26

NOTIFICATION ALERT NETWORK (NAN) RADIO BACKUP (CONT'D)

CHANNEL 8 - KON511

- 4. Upon completion of roll call, transmit the notification message verbatim. Take an acknowledgement roll call, allowing MCSO to read the message back in its entirety, and provide assistance or clarification, as needed.
- Upon completion of the second roll call, announce: "K-O-N 5-1-1 Palo Verde off." This is the required FCC sign-off.
- 6. Continue notifications per Step 1.8 of Appendix F.

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX H Page 1 of 1
NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 23 of 26

PROTECTIVE ACTION RECOMMENDATIONS

Classification Category

Notification of Unusual Eventevents are in progress which indicate a potential degradation of the level of safety of the plant; however, no releases of radioactive material requiring offsite response/monitoring are expected unless further degradation of safety systems occur. Protective Actions Recommendations

Inform state and county authorities of NUE status/ cause and based on the situation recommend that no protective action is necessary or to standby for an update due to potential degradation of plant safety.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS		PROCEDURE NO. EPIP-03 REVISION 9	APPENDIX I. Page 1 of 2 Page 24 of 26
POSITION FILLED BY:	Ons	hift Organization	
	 Shift Superviso Shift Superviso 	r of the designated r of the affected u	unaffected unit nit
RESPONSIBILITY:	The individual onsi authority to immedi emergency actions, protective action r authorities respons emergency measures. control of the <u>ONSH</u>	te with the respons ately and unilatera including providing ecommendations to g ible for implementi Provide overall d	ibility and lly initiate notification and overnmental ng offsite
NITIAL RESPONSE			TIME/INITIALS
steps 4.3.1.3 an (This may be	ide public address annou t Supervisor to provide ad 4.3.1.4 of this proce delegator.) -7: 9/10/85	same per edure.	
Support Center/S	tellite STSC per EPIP-11 Satellite TSC Activation	1, lechnical 1."	/
 Commence notification process per Appendix F or direct the STSC Communicator to do same. 			
4. Notify unaffected unit control rooms of situation.		situation.	/
5. Verify personnel resources are on standby in the OSC.			/
 Provide plant wide public address announcement when the the STSC is activated. 			/
7. Implement EPIPs resulted in the	according to the situat classification.	ion that	/
JBSEQUENT RESPONSE			
	rect implementation of	EPIP-23, "Fire	
 As necessary, di Fighting" and EP 	IP-22, "Personnel Injur	у." -	

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX I. Page 2 of 2
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 25 of 26
	CHECKLIS EMERGENCY COOF		
		*	TIME/INITIALS
	(2) For personnel injury, contact the and inform them of the situation. Aid Team, if necessary, and coord offsite assistance.	Dispatch a First	/
9.	Determine the need for additional pers the Security Director to initiate call	/	
10.	If it is determined that the OSC is not to support the emergency response, not deactivate and allow the response pers normal work stations.	/	
11.	* As appropriate, complete Follow-up Eme	rgency lessage Form.	/
12.	Reevaluate the emergency classificatio change per EPIP-02, reclassify as nece PVNGS Plant Manager informed as to sta	ssarv. Keep	
13.	Reassess corrective and protective act activities underway.	ions. Verify	/
	Recovery		
14.	Consult with the PVNGS Plant Manager prior to closing out emergency.		/
15.	Complete notifications per Appendix F is closed out or direct the STSC Communities the same.		
16.	Provide termination announcement or direct Shift Supervisor to provide same per steps 4.3.4.2 and 4.3.4.3 of this procedure.		/
17.	Notify PVNGS Compliance at ext. or of event termination. as requested.	Provide logs	/
	Performed By		Date
	and a state of the second state of the	Signature	

1	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-03	APPENDIX J Page 1 of 1
	NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS	REVISION 9	Page 26 of 26
	STSC COMMUNICATOR	R CHECK LIST	
POSIT	ION FILLED BY: Nuclear Operator fr	com affected unit	
RESPO	NSIBILITY Initiate the notific onshift Emergency C communications equi logbook.	Coordinator. Ensi	ure operability of
IMMED	LATE ACTIONS		TIME/INITIALS
	STSC Activa	tion	
1.	Report to the STSC upon notification.		/
	Notification of UN	USUAL EVENT	
2.	Complete the Initial Emergency Messag by the <u>onshift</u> Emergency Coordinator Supervisor.	ed/	
3.	Initiate notification process as dire Coordinator (or Shift Supervisor, in		
4.	Inform Emergency Coordinator when initial notifications are complete.		/
5.	Contact the Security Director and inform him to call in additional personnel if so directed by Emergency Coordinator.		/
6.	Complete the Follow-up Message Form as directed by the Emergency Coordinator.		/
*7.	Provide follow-up information when re State/County agencies.	/	
*8.	Maintain records of communications re- transmitted offsite.		
9.	Complete Emergency Termination Messag directed by the <u>onshift</u> Emergency Coor Shift Supervisor upon event termination		
10.	Transmit termination per Appendix A.		/
	Performed By	9	
		8	

PROCED	URE CHANGE NOTICE
ASSIGNED COPY	PAGE / o INTENT CHANGE: NO
PVNGS # 8-94	2 YES
. PROCEDURE TITLE _ Alert Implementing	Actions
PROCEDURE NUMBER EPIP-04	
a.Manager concurrence N/A	REV. 8 PCN 2 DATE
to exceed 5 PCNs	
. REASON FOR PCN: To update Emergency	Actification Call List
	Manager 15 for more all of an and the second second
EXPIRATION: Next Revision	
AFFECTED STEPS:	김 김 대부분은 문화 문화에서 이 가슴에 들었다.
	CULVICE DECUIRDED
Amade A	CHANGE REQUIRED:
Appendix A	Delete 13a: Insert 13b
Appendix A	N'1 - 1
Appendix A	A 1'1 - 1
Appendix A	N'1 - 1
Appendix A	A 1'1 - 1
	Dolete 13a; Insert 13b
PREPARED BY:	ENTERED IN PROCEDURE BY:
PREPARED BY: Heuld a. Simicle	ENTERED IN PROCEDURE BY:
PREPARED BY: Heuld a. Simicle po	ENTERED IN PROCEDURE BY:
PREPARED BY: Heuld a. Simicle D. SIGNATURE D.	ENTERED IN PROCEDURE BY:
PREPARED BY: <u>Heald a. Aimicle</u> SIGNATURE D. TEMPORARY APPROVAL:	ENTERED IN PROCEDURE BY:
PREPARED BY: Heuld a. Simicle D. SIGNATURE D.	ENTERED IN PROCEDURE BY: ATE SIGNATURE
PREPARED BY: <u>Heuld a. Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u>	ENTERED IN PROCEDURE BY: <u>Islas</u> ATE SIGNATURE
PREPARED BY: <u>Heald a Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u> SIGNATURE D/	ENTERED IN PROCEDURE BY: ATE SIGNATURE
PREPARED BY: <u>Heuld a. Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u>	Delete 13a; Insert 13b ENTERED IN PROCEDURE BY: ATE SIGNATURE MTE SS/Assist. SS
PREPARED BY: <u>Headda Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u> SIGNATURE DEPT PANAGER	Delete 13a; Insert 13b ENTERED IN PROCEDURE BY: ATE SIGNATURE MTE SS/Assist. SS
PREPARED BY: <u>Heuld a. Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u> SIGNATURE DEPT MANAGER <u>HOMME</u> FOR MAYAX DO	Delete 13a; Insert 13b ENTERED IN PROCEDURE BY: ATE SIGNATURE MTE SS/Assist. SS 9. PRB/PRG/TRRG: 10/31/ MTE 9. PRB/PRG/TRRG: 10/31/
PREPARED BY: <u>Heald a Simicle</u> SIGNATURE DI TEMPORARY APPROVAL: <u>MA</u> SIGNATURE DI DEPT DANAGER <u>HOMME</u> FUE A LYANS SIGNATURE DA	Delete 13a; Insert 13b ENTERED IN PROCEDURE BY: ATE SIGNATURE MTE SS/Assist. SS
PREPARED BY: <u>Heuld a. Aimicle</u> SIGNATURE TEMPORARY APPROVAL: <u>MA</u> SIGNATURE DEPT MANAGER <u>HOMME</u> FOR MAYAX DO	Delete 13a; Insert 13b ENTERED IN PROCEDURE BY: ATE SIGNATURE ATE SIGNATURE MTE SS/Assist. SS 9. PRB/PRC/TRRG: 10/31/ MTE SYMMEN

. PALC	VERDE NUCLEAR GE	NERATING STATION	
	PROCEDURE CHA		
		PAGE	/ of
		INTENT CHANGE	
			YES
1. PROCEDURE TITLE Alert 2	Inglementor Al	ings	
2. PROCEDURE NUMBER EPIP-0	4		
2a.Manager concurrence	NA	REV	PCN /
to exceed 5 PCNs	700	DATE	
3. REASON FOR PCN: To update	phone numbers f	und in Appendix A	ind
Appendix B.	-	. //	
			*
4. EXPIRATION: Abot Revision			
5. AFFECTED STEPS:			
_ Appendix A		CHANGE REQUIRED:	
		Delete Pare 13: Ins	ert 13A
Appendix B		Ablete Page 14: In	ert 14A
5. PREPARED BY:		ENTERED IN PROCEDUR	
Heralla Aimiele	9/11/100	ENTERED IN PROCEDUR	E BY:
SIGNATURE	DATE	SIGNATURE	
. TEMPORARY APPROVAL:		IN ONATORE	DA
alla		/	
SIGNATURE	DATE	NA	11111
. DEFT. MANAGER:	DATE	SS/Assist. SS	DA:
x Herming & Chur	alialis	9. PRB/FRG/TRRG:	9/20/8
SIGNATURE	-7/17/6) DATE	1421111111	-11918
O.APPROVED BY: M 2111MAILIN	DATE	SIGNATURE .	alia/ DAT
CONTROLL	D DOCIU	AENIT 7	119/05
1. DATE EFFECTIVE: 2122/85	Partici	VARAETI 41	20/55 DAT

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	
ALERT IMPLEMENTING ACTIONS	REVISION	
HIDRE THE DESIGNTING ACTIONS	8	Page 1 of 38

ASSIGNED COPY

PVNGS

8-9A

DEPT. HEAD A DATE PRB/PRG/TRRG REVIEW 1.11 DATE APPROVED BY DATE 69-10-65 EFFECTIVE DATE DN-1599A/0180A

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	EMERGENC	PROCEDURE NO. EPIP-04	*	
ALERT	T IMPLEMENTING ACTIONS 8 Page 2 of 38			Page 2 of 38
		REVISION 1	HISTORY	
Rev. No.	Date	Revised Page	es	Comments
5	2-28-85	A11	Revised Pro	ocedure and
			Appendicies	; added steps to
			clarify pro	ocedure and added
			appendix to	provide NAN
	/		backup inst	ructions
6	05-10/85	10, 11 and 1	17 Incorporate	ed PCN #01 of Rev
			5 and added	step for
			cancellatio	on of emergency
			with group	page.
7	04,14,85	3, 5, 7, 8,	Added termi	nation message
	+-	9, 10, 13,	form and in	structions;
		14, 17, 18,	Capitalized	announcements to
		19, 20, 22,	make easy t	o indentify;
		24, 25, & 27	Added step	for announcement
			if accounta	bility is
			performed;	Changed and
			updated all	referrals to
			verious app	endices. Also
			added note	to provide
			guidance on	notifications.
			Added infor	mation on 15
			minute time	requirement.

CONTROLLED DOCUMENT

	EMERGENC		PROCEDURE NO.	
THEFLEIVIE	ATTING PRC	CEDURE	EPIP-04	
	TUDET		REVISION	
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Rev. No.	Date	Revised Page	es	Comments
8_	69.10.55	4,6,9,11,12	+ Inch	Porton: Acre al
		13, 14, 21, 2	2, - Keu	ses to add
		26, 27, 29, 30	· · · · · · · · · · · · · · · · · · ·	rors this 575
		33, 34, 36,	,	inthe cleat list,
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			Fit Bry	WOUNCE MENT
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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04		
ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 4 of 38	

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2.0	REFERENCES		5
3.0	LIMITATIONS AND PRECAUTIONS		6
4.0	DETAILED PROCEDURE		6
	 4.1 Personnel Indoctrination/Responsibilities 4.2 Prerequisites 4.3 Instructions 		6 7 7

APPENDICES

Appendix	A		Emergency Notification Call List - Emergency Coordinator/STSC Communicator	13
Appendix	B		Emergency Notification Call List - PVNGS Security	14
Appendix	C	-	Initial Emergency Message Form	15
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	EMERGENCY PLAN	PROCEDURE NO. EPIP-04	
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1.0 <u>OBJEC</u>	TIVE	*	
	s procedure provides a seri en upon declaration of an A		actions to be
2.0 REFER	ENCES		
2.1 Imp	lementing References		
2.1.1	EPIP-02, "Emergency Classi	fication"	
2.1.2	EPIP-11, "Technical Suppor	t Center/Satellite	TSC Activation
2.1.3	EPIP-12, "Operations Suppo	rt Center Activati	on"
2.1.4	EPIP-13, "Emergency Operat	ions Facility Acti	vation"
2.1.5	EPIP-14A, "Release Rate De	termination"	1.1.1.2.2.2
2.1.6	EPIP-14B, "Initial Dose As	sessment"	
2.1.7	EPIP-15, "Protective Actio	n Guidelines"	
2.1,8	EPIP-16, "Inplant Surveys	and Sampling"	
2.1.9	EPIP-17, "Onsite/Offsite S	urveys and Samplin	g"
2.1.10	EPIP-18, "Emergency Exposu	re Guidelines"	
2.1.11	EPIP-19, "Onsite Evacuatio	"n"	
2.1.12	EPIP-20, "Personnel Assemb	ly and Accountabil	ity"
2.1.13	EPIP-21, "Search and Rescu	ie"	
2.1.14	EPIP-22, "Personnel Injury	," ''	
2.1.15	EPIP-23, "Fire Fighting"		
2.1.16	EPIP-24, "Security"		
2.1.17	EPIP-25, "Reentry for Reco	overy Operations"	
2.1.18	EPIP-26, "Potassium Iodide	(KI) Administrati	.on"

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2.1.19 EPIP-31, "Recovery"

2.1.20 EPIP-33, "Offsite Assistance"

2.1.21 71AC-9ZZ01, "Event Related Reporting"

2.1.22 9N219.05.00, "Ddcument/Record Turnover Control"

- 2.2 Developmental References
 - 2.2.1 NUREG-0654, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
 - 2.2.2 PVNGS Emergency Plan, Rev. 6

3.0 LIMITATIONS AND PRECAUTIONS

- 3.1 Continued surveillance and assessment of plant conditions are necessary to ensure that the emergency classification is appropriately revised as conditions change or more definitive information is obtained.
- 3.2 Notifications to State/County Agencies per Appendix A, "Emergency Notification Call List-Emergency Coordinator/STSC Communicator" shall commence within 15 minutes of declaration of an emergency.

4.0 DETAILED PROCEDURE

- 4.1 Personnel Indoctrination/Responsibilities
 - 4.1.1 In an ALERT situation, limited releases of radioactive material may occur and radiological/meteorological information may have to be obtained for assessment of onsite and offsite consequences. The emergency response for an ALERT includes activation of onsite and offsite emergency centers. An ALERT calls for prompt initial and follow-up notification to offsite emergency management organizations. The ALERT status is maintained until the event is terminated or reclassified.

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4.1.2 The Shift Supervisor or Emergency Coordinator shall be responsible for initiating and completing implementing actions of this procedure.

4.2 Prerequisites

- 4.2.1 The emergency has been classified per EPIP-02, "Emergency Classification".
- 4.3 Instructions
 - 4.3.1 The affected unit Shift Supervisor shall perform the following:

NOTE

Designated Unaffected Unit Shift Supervisor to assume the role of the Emergency Coordinator in the <u>Onshift</u> Emergency Organization are:

Affected	Unit	Unaffected	Unit S	hift	Supervisor
Unit 1			Unit	: 2	
Unit 2			Unit	: 1	
Unit 3			Unit	: 2	
Entire	Site		Unit	: 1	

4.3.1.1 Notify the Shift Supervisor of the designated unaffected unit (or Shift Supervisor of an unaffected unit) to report to the Control Room of the affected unit and assume the duties of the Emergency Coordinator.

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NOTE

Initial notifications shall be made from the Satellite TSC by the Satellite TSC Communicator until activation of the EOF. At that time, all subsequent initial and follow up notifications shall be made by the Government Liaison Engineer in the EOF.

NOTE

If the emergency situation is terminated before initial notifications are finished, complete the notifications per Appendix A. Then repeat Appendix A with the notification of termination. If the emergency is terminated before initial notifications can be started, provide both initiating and terminating messages in the same call.

NOTE

Protective action recommendations (Appendix H) are based on plant and containment conditions and these recommendations are made to offsite officials even when no release is in progress.

4.3.1.2 Notify the Control Rooms of the unaffected units.

4.3.1.3

3 Direct the Satellite TSC Communicator (or Government, Liaison Engineer) to fill out Appendix C, "Initial Emergency Message Form," in accordance with instructions provided in Appendix F.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE ALERT IMPLEMENTING ACTIONS		PROCEDURE NO. EPIP-04	*
		REVISION	
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*		NOTE	
	Assembly and acco be performed if d Shift Supervisor and safety of sta decision is made assembly/accounta 4.3.1.4 and 4.3.1 step 4.3.1.4 and	untability should eemed necessary by to maximize the he tion personnel. I	the alth if the rm teps
4.3.1.4	Provide the following telephone page (phone	no (This	the plant wide
1.	"ATTENTION ALL PLANT P CLASSIFIED AS AN ALERT AFFECTED UNIT EMERGENC REPORT TO YOUR EMERGEN STANDBY UNITL FURTHER route(s) or area(s) to	EXISTS IN UNIT Y RESPONSE PERSONN CY LOCATION. ALL NOTICE. (Provide	. ALL TEL AND ALTERNATES OTHER PERSONNEL instructions on
4.3.1.5	Repeat the announcemen warning siren/public a	t in step 4.3.1.4 ddress system.	over the site
4.3.1.6	ACCOUNT Sound the accountabili minute to alert person	ABILITY PERFORMED ty signal for appr nel.	coximately one (1)
4.3.1.7	Provide the following telephone page (phone	announcement over	the plant wide
	"ATTENTION ALL PLANT P CLASSIFIED AS AN <u>ALERT</u> AFFECTED UNIT EMERGENC REPORT TO YOUR EMERGEN REPORT TO YOUR ASSIGNE instructions on route(appropriate).	EXISTS IN UNIT Y RESPONSE PERSONN CY LOCATION. ALL D ASSEMBLY AREA."	. ALL TEL AND ALTERNATES OTHER PERSONNEL (Provide
4.3.1.8	Repeat the announcemen warning siren/public a	t in step 4.3.1.7 dddress system.	over the site
4.3.1.9	Resound the accountabi announcement.	lity signal and re	epeat the

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	RGENCY PLAN	PROCEDURE NO. EPIP-04	
		REVISION	
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4.3.1.10	Ensure that the action procedures have been a		te Recovery
	Emergency Coordinator, lowing:	/Shift Supervisor s	hall perform the
4.3.2.1	Ensure activation of the EPIP-11, "Technical State Activation".		
4.3.2.2	Implement additional H Procedures according t the emergency being c	to the situation th	at resulted in
4.3.2.3	Direct the Security D Offsite Emergency Org appropriate computer	anization personnel	
4.3.2.4*	Direct the STSC Commun Engineer) to prepare a Message Form" in acco Appendix F.	Appendix D, "Follow	rup Emergency
4.3.2.5	Determine the need fo is necessary, direct required agency per E	a Communicator to o	contact the
4.3.2.6	Reevaluate the emerge license actions as co procedure EPIP-02.		
4.3.2.7	When the situation wa ALERT, proceed to app notification procedur to announce the recla system and inform the	ropriate implement: es and direct the s ssification over the	ing and Shift Supervisor ne public address
4.3.2.8	The Emergency Coordin Appendix I.	ator shall complete	e checklist,
Coc or App Sec	GS Security, after bei ordinator or STSC Commu has occurred, or has b endix B, "Emergency No surity," and notify the suation.	nicator that an all een terminated, sha tification Call Lis	art is in progress all complete st - PVNGS

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	
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4.3.4 Operations Support Center (OSC) Activation

- 4.3.4.1 The OSC Coordinator shall implement EPIP-12, "Operations Support Center Activation".
- 4.3.5 Emergency Operations Facility (EOF) Activation
 - 4.3.5.1 The Emergency Operations Director shall implement EPIP-13, "Emergency Operations Facility Activation".
- 4.3.6 Emergency Situation Terminated

NOTE

Sound the 'All Clear' signal only if assembly and accountability has been initiated.

4.3.6.1 The Shift Supervisor (or Emergency Coordinator) shall sound the All Clear signal for approximately (1) sinute, silence the signal, and provide the following announcement over the plant wide telephone page (phone no.

Tes gles /85

ø

18

8

"ATTENTION ALL PERSONNEL. THE EMERGENCY SITUATION DECLARED IN UNIT ______ HAS NOW BEEN TERMINATED". (Provide special instructions as necessary).

- 4.3.6.2 Repeat the announcement in step 4.3.6.1 over the site warning siren/public address system.
- 4.3.6.3 Repeat signal and announcement once.
- 4.3.6.4 Direct the STSC Communicator (or Government Liaison Engineer) to fill out Appendix E, "Emergency Termination Message Form", per instructions provided in Appendix F.
- 4.3.6.5 Direct the STSC Communicator (or Government Liaison Engineer) to transmit the termination per Appendix A.

4.3.6.6 At closeout or reduction of the ALERT classification, the S.S./E.C. shall notify the PVNGS Compliance Dept. at ext. and request a written summary be provided to offsite authorities within eight (8) hours. S.S./E.C. shall provide copies of shift logs, control room logs, etc., as requested by Compliance for preparation of the report.

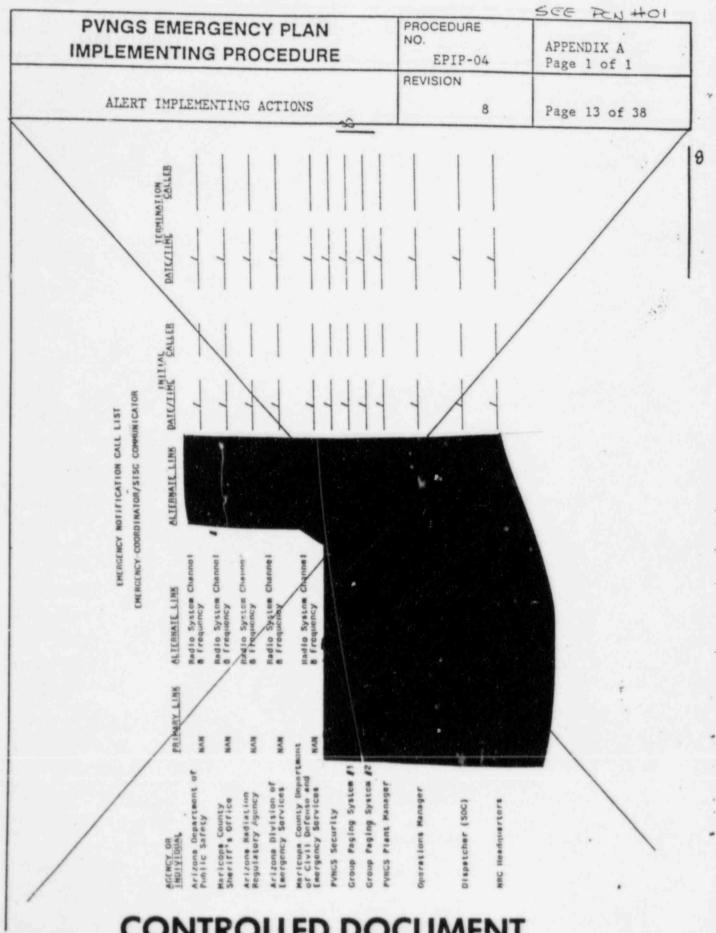
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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04]
ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 12 of 38	10

4.3.7 Record Retention

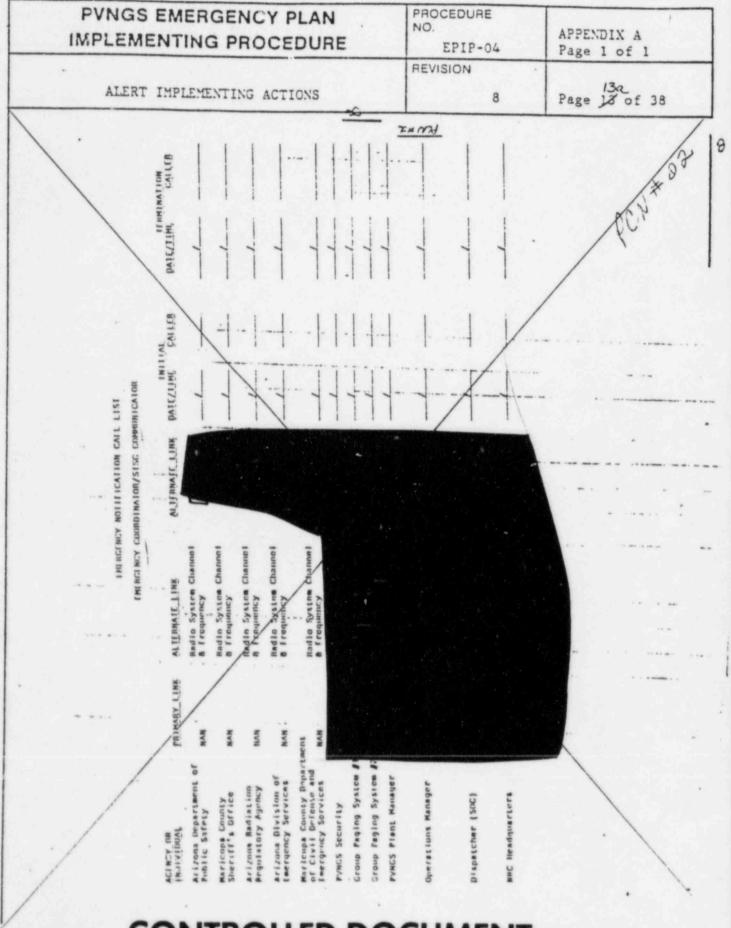
4.3.7.1 Appendices A, B, C, D, E, I. and J shall be turned over to the Emergency Planning Dept., mail station 6010, to ensure they are forwarded to DDC for proper storage in accordance with 9N219.05.00, "Document/Record Turn Over Control".

CONTROLLED DOCUMENT



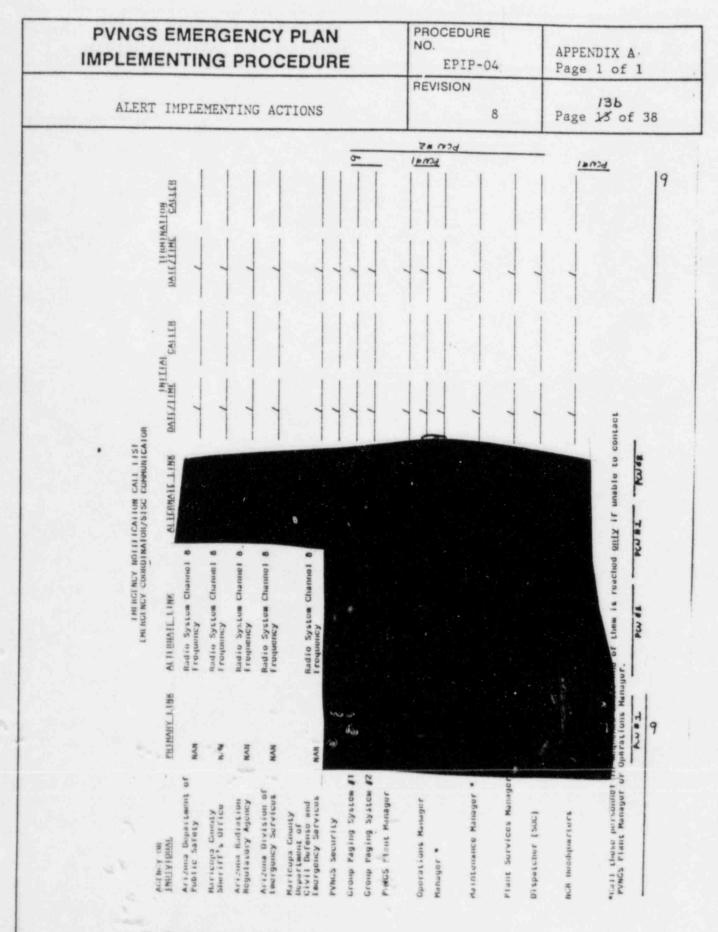
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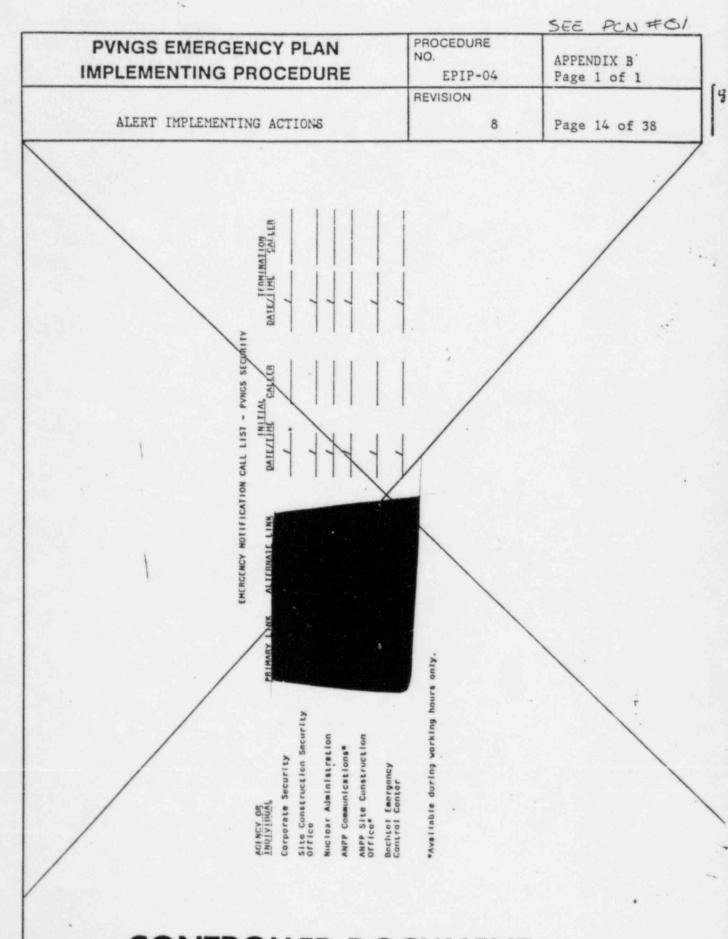


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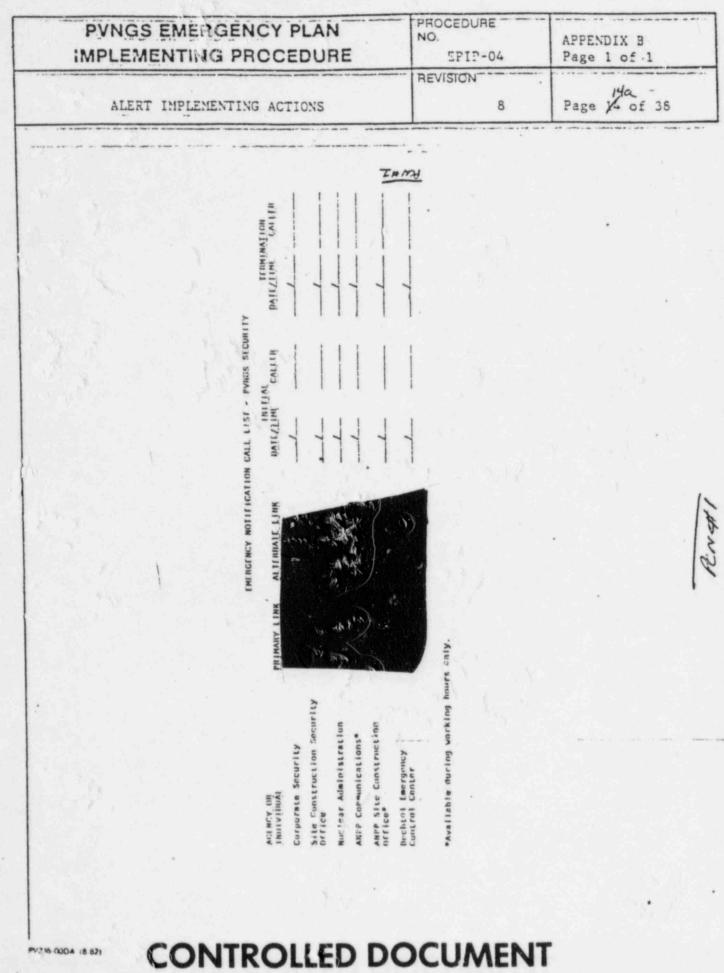


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PVNGS EMERGENO		PROCEDURE NO.	APPENDIX C
IMPLEMENTING PRO	JCEDURE	EPIP-04	Page 1 of 1
		REVISION	
ALERT IMPLEMENTING	ACTIONS	8	Page 15 of 38
NOT	ITIAL EMERGENCY M TIFICATION OF UNU AREA EMERGENCY, (ESSAGE FORM SUAL EVENT, DR GENERAL EMERGE	NCY
1. Verbatim text of Me IS PALO VERDE NUCLE EVENT) (ALERT) (SIT	LAR GENERATING ST	ATION (NOTIFICATI) (GENERAL EMERGE	ON OF UNUSUAL
declared at (time) - (dat	- Wind is from	<pre>m degrees</pre>	- Atmph
PALO VERDE AUTHENTICAT	TOR		
	and the second	ator letters)	
2. This is			
Station (name/tit	tle)	e Palo Verde Nucl	ear Generating
3. (Circle One)			
(a) There is <u>NO</u> , repe special protectiv	eat <u>NO</u> , radioactiv ve actions are red OR	ve release taking commended at this	place and no time.
(b) There is <u>NO</u> , repe operating limits time.	ant <u>NO</u> , radioactive and <u>NO</u> protective	ve release in exce actions are reco	ess of allowable commended at this
(c) There is <u>NO</u> , repe time. However, t Sectors	the following prot	ve release taking tective actions an Distance (N	re recommended.
(4) 4	OR		- Marine State
(d) A radioactive rel that people in af closed.	fected sectors re	S, taking place. Emain indoors with	We recommend a windows and door
Sectors		Distance (N	files)
	OR		
(e) A radioactive rel	ease IS, repeat 1	S, taking place.	We recommend
that evacuation o Sectors	f affected sector	be considered. Distance (N	
4. THIS IS (IS NOT) A DRI	LL (Circle One)		

Time

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX D
	REVISION	Page 1 of 3
ALERT IMPLEMENTING ACTIONS	8	Page 16 of 38
FOLLOW-UP EMERGEN	CY MESSAGE FORM	
1. Verbatim text of Message: THIS IS A PALO VERDE NUCLEAR GENERATI message concerning the (NOTIFICA AREA EMERGENCY) (GENERAL EMERGEN (circle applic	NG STATION follow-up TION OF UNUSUAL EVEN	information (ALERT) (SITE
declared at		
(time) (date)	
		Innovation Cher
(name/title), at	Palo Verde Nuclear	Senerating Stati
3. Brief description of event	an shi bara	
•		
4. Meteorological Data		
	(degrees) - at	
a. Wind direction from(direction	n) (spe	ed)
from to		
(sector) (sect	tor)	+
b. Stability Class: A B C D E (Circle (
c. Precipitation Yes No (Circle Or		
5. Radiological Data		
a. Radioactivity (check one)		
() Has been released() Has not been released		

	VNGS EMERGENCY PLAN PLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX D Page 2 of 3
	ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 17 of 38
5.	b. Release Time		
	c. Reactor Trip Time		
	d. Location/Source of Release	1	
6.	Current Release Rates		
	a. I-131 Equivalent C.	i/second	
	D. Noble Gas C.	i/second i/second	
7.	Two-hour plume centerline projected		
	- A state of the last state of the state	Child Thyroid	
		Dose Commitment (REM)	
	Site		
	Boundary		
		김 승규가 다	
	2 miles		
	5 miles		
	10 miles		
8.	Plume arrival time offsite:		
	2 mi		
	5 mi 10 mi		
	Ruth Fisher School Arlington School		
9.	Estimated duration of release	minutes	1.1.2.2
	CONTROLLED DO		

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO.	APPENDIX D'
	IMPLEMENTING PROCEDURE	EPIP-04	Page 3 of 3
	ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 18 of 38
0.	Following Emergency Measures Includi Recommended:	ng Protective Actio	ons are
1.	The Following Emergency Reponse Acti	ons are Underway:	
	•	•	
2.	We Request the Following Onsite Supp Sources:	ort and Assistance	from Offsite
2.	We Request the Following Onsite Supp Sources:	ort and Assistance	from Offsite
	Sources: Our Prognosis of the Emergency is th		from Offsite
2.	Sources: Our Prognosis of the Emergency is th Are Under Control	at Conditions:	from Offsite
	Sources: Our Prognosis of the Emergency is th Are Under Control Can Be Expected to Terminate W	at Conditions:	from Offsite
3.	Sources: Our Prognosis of the Emergency is th Are Under Control Can Be Expected to Terminate W Are Worsening	at Conditions:	from Offsite
	Sources: Our Prognosis of the Emergency is th Are Under Control Can Be Expected to Terminate W	at Conditions:	from Offsite
3.	Sources: Our Prognosis of the Emergency is th Are Under Control Can Be Expected to Terminate W Are Worsening Other Information: 	at Conditions: ithinhours	from Offsite
3.	Sources: Our Prognosis of the Emergency is th Are Under Control Can Be Expected to Terminate W Are Worsening	at Conditions: ithinhours	from Offsite

	VNGS EMERGENCY PLAN	PROCEDURE NO.	APPENDIX E
INI	PLEMENTING PROCEDURE	EPIP-04	Page 1 of 1
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	EMERGENCY TERMINATION M	ESSAGE FORM	
1.	Verbatim text of message: THIS IS THIS IS PALO VERDE NUCLEAR GENERATI UNUSUAL EVENT) (ALERT) (SITE AREA E (circle approprite classification) AT	MERGENCY) (GENERAL	(NOTIFICATION O L EMERGENCY)
	(Time) (Date)	-•	
2.			
۵.	This is(Name)	(7:51-)	, at Palo
	Verde Nuclear Generating Station	(Title)	
2			
۵.	PALO VERDE AUTHENTICATOR	uthenticator Lette	· · ·
App	roved:		
	(SS/EC/EOD)	Date/Ti	me
	김 사장 전자		
			Ŷ
			¥.
			¥.
			¥.

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		INO.		APPENDIX F Page 1 of 3
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ALERT IMPLEMENTING ACTIONS		8	Page 20 of 38		
	INSTRUCTIONS FOR COMPLETING	G APPENDIX C, D C	DR E		
1.0	Initial Emergency Message Form (Ap	ppendix C)			
1.1	Fill in data required by Steps 1 Emergency Message Form". Obtain envelope marked on the outside w sequence number (if it is a dril	Authenticator f	rom the confidentia		
1.2	Obtain from the Radiation Protec Radiological Assessment Coordina required to complete Step 3 of A	tor (if EOF is a	shift) or the ctivated) data		
1.3	Cimcle appropriate wording of St	ep 4 of Appendix	с.		
	NOTE				
	When the NAN ring button is appears that all the receiv line or the ring has stoppe originating station shall i in order listed below. (Co day.)	ing stations are d, the PVNGS nitiate a roll c	all		
	NOTE				
	If the NAN dedicated teleph Appendix G, "Notification A Radio Backup", for instruct 8, KON-511, for notification	lert Network (NA ions on using ch	N)		
1.4	By means of a single call on the dedicated telephone, contact the listed in Appendix A.	Notification and following State	d Alert Net /County agencies		
	Duty Hours (8:00 a.m. to 5:00 p.	m. Monday-Friday)		
	Maricopa County Sheriff's Office Maricopa County Department of Cir Arizona Department of Public Safe Arizona Division of Emergency Ser Arizona Radiation Regulatory Ager	vil Defense and H ety rvices	Emergency Services		
			* . · · · · · · · · · · ·		

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO. EPIP-04	APPENDIX F Page 2 of 3
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	ALERT IMPLEMENTING ACTIONS		8	Page 21 of 38
		Off-Duty Hours (5:00 p.m. to 8: day Saturday, S	00 a.m., Monday-Fr unday and Holidays	iday, all
		Maricopa County Sheriff's Offic Department of Public Safety	e	
	1.5			ng a test, drill C Communicator)
1	1.6	When contact is made, the calle request that the individuals ob Emergency Message Form.	r shall identify h tain a copy of the	imself and appropriate
1	•	When each individial has obtain Emergency Message Form verbatim verbatim. Perform warning poin	and request MCSO	e completed to read back
1	1.8	Offer to repeat information and	reiterate as nece	ssary.
		NOTE		
		To verify the group page ac pager installed in the STSC much as two (2) minutes may and the broadcast announcem	. Be aware that as lapse between dia	s
1	.9	Notify additional personnel as and inform them of the situation for both Group Paging Systems No	n. Provide the fo	llowing message
		"THIS IS PVNGS, UNIT , C PLEASE RESPOND APPROPRIATELY once).	LASSIFICATION TWO, " (Repeat message	e ř
1	. 10	If an individual requests inform Emergency Message Form, make rea give the information only after been made.	sonable efforts to	a obtain and
1	. 11	Contact the NRC via the Emergent dedicated telephone within 60 m: If the ENS fails, use the comment alternate line.	nutes of declaring	An emergeney

CONTROLLED DOCUMENT

PV216-000A (A/R2)

	GS EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX F Page 3 of 3
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ALI	ERT IMPLEMENTING ACTIONS	8	Page 22 of 38
1.12	When contact is made, the call the completed Emergency Message Verde Authenticator).	er shall identify e Form verbatim (o	himself and read mit the Palo
1.13	Offer to repeat information and	d reiterate as nec	essary.
2.0 1	Follow-up Emergency Message Form	(Appendix D)	
2.1	Fill in data required by Steps Emergency Message Form".	1-3 of Appendix D	, "Follow-up
	NOTE		
	If the emergency is non-resteps 4-9 may be deleted.	adiological in nat	ure,
2.2	Obtain the Radiation Protection Assessment Coordinator (if EOF complete Steps 4-9.	n Monitor or the R is activated) dat	adiological a required to
2.3	Obtain the Emergency Coordinato Coordinator (if EOF is activate 10-14.	or or the Technica ad) data required a	l Analysis to complete Steps
2.4	Circle appropriate wording in S	Step 15.	
2.5	Dispense information when asked	i by offsite Agenc.	ies (NRC or ARRA).
3.0 <u>E</u>	MERGENCY TERMINATION MESSAGE FOR	RM (APPENDIX E)	
3.1	Fill in data required by steps Termination Message Form".	1-3 of Appendix E	"Emergency
3.2	Obtain approval from SS/EC/EOD.		
3.3	Transmit termination per Append	lix A.	
	NOTE		
	To verify the group page ac pager installed in the STSC much as two (2) minutes may and the broadcast announcem	. Be aware that a lapse between dia	a c

3.4 When using the Group Paging Systems to announce event termination, use the following message:

CANCEL RESPONSE TO EMERGENCY

PLEASE

INATED.

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		REVISION	rage 1 OF 2
AI	ERT IMPLEMENTING ACTIONS	8	Page 23 of 33
	NOTIFICATION ALERT NETWORK Channel 8 -	(NAN) RADIO BACKU KON511	P
	failure of the NAN ringdown tele S radio. FCC regulations requir precede and conclude all outgoin	A the Dela Vende D	kup is Channel 8 esignator 'KON511'
5-	ke control of the radio channel epeat) "All stations this net, t 1-1 Palo Verde to all 5-1-1 stat 11 call."	his is K-O-N S-1-1	Dala Vanda
2. Wa ra	it thirty seconds to allow the o dios, then repeat the previous t	ffsite agencies to ransmission.	get to their
	NOTE		
	After 5 P.M. weekdays, all on holidays, Maricopa Count (MCSO) and Department of Pul be the only agencies respond	y Sheriff's Office	
. 3. Init. stat	iate roll call of the offsite gov ions on the net to respond.	vernment agencies,	allowing
3.1	"5-1-1 Palo Verde to 5-1-1 Mar: you copy?" Allow Response: "5-1-1 MCSO co		ff's Office. Do
3.2	"5-1-1 Palo Verde to 5-1-1 Mar: Defense & Emergency Services. Allow response: "5-1-1 Civil I	Do you conv?" (M	tment of Civil CDCD&ES)
3.3	"5-1-1 Palo Verde to 5-1-1 Depa copy?" Allow response: "5-1-1 DPS cor		Safety. Do you
3.4	"5-1-1 Palo Verde to 5-1-1 Ariz Services. Do you copy?" Allow response: "5-1-1 ADES (S	cona Division of Em	
3.5	"5-1-1 Palo Verde to 5-1-1 Ariz Do you copy?" Allow response: "5-1-1 ARRA co	ona Radiation Regu	

CONTROLLED DOCUMENT

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX G Page 2 of 2
ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 24 of 38

4. Upon completion of roll call, transmit the notification message verbatum. Take acknowledgement roll call, allowing MCSO to read the message back in its entirety, and provide assistance or clarification, as needed.

 Upon completion of the second roll call, announce: "K-O-N 5-1-1 Palo Verde off." This is the required FCC sign-off.

6. Continue notifications per Step 1.8 Appendix F.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX H Page 1 of 1	
ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 25 of 38	

PROTECTIVE ACTION RECOMMENDATIONS

Classification	Protective Actions	
Category	Recommendations	

Alert-

any releases are expected to be limited to a small fraction of the EPA/PAG exposure levels at the site boundary unless further degradation of safety systems occur. Inform the state and county authorities of the ALERT status/cause and recommend that the public be appraised of the situation and stay tuned to EBS/KTAR radio station.

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 1 of 11	
ALERT IMPLEMENTING ACTIONS	REVISION 8	Bage 26 of 38	

CHECKLIST EMERGENCY COORDINATOR STSC ACTIVATED

POSITION FILLED BY:

(1) PVNGS Plant Manger

(2) Manager, Technical Support

(3) Shift Supervisor, Unaffected Unit

RESPONSIBILITY:

The individual onsite with the responibility and authority to immediately and unilaterally initiate emergency actions, including providing notification and protective action recommendations to Governmental authorities responsible for implementing offsite emergency measures. Provide for the control and coordination of onsite emergency response.

NOTE

Refer to the following pages per appropriate facility activation.

lity Activated	Appendix I Page
STSC	1 - 4
TSC	5 - 8
ISC/ECF	9 - 11

INITIAL RESPONSE

PV218-00DA (8/82)

TIME/INITIALS

 Receive notification from the Shift Supervisor and report to the Control Room of the affected unit.

Facil

- Provide plant wide public address announcement or direct the Shift Supervisor to provide same per steps 4.3.1.4, 4.3.1.5 or 4.3.1.7, 4.3.1.8 of this procedure as appropriate. (This may be delegated.) The globs
- Review plant status, initiating event, corrective actions and emergency classification with the Shift Supervisor per EPIP-02, "Emergency Classification".

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 2 of 11_
	ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 27 of 38
	CHECKLIS EMERGENCY COOR STSC ACTIV	DINATOR	
			TIME/INITIALS
4.	Assume position of the onshift Emerge	ncy Coordinator.	/
5.	Activate the Satellite STSC per EPIP- Support Center/Satellite TSC Activati	11, "Technical on".	/
6.	Commence notification process per App the STSC Communicator to do so.	endix F <u>or</u> direct	
	 Direct the Security Director to <u>onsite</u> and <u>offsite</u> Emergency Org personnel. 	call in the PVNGS anization	
7.	Provide plant wide public address ann STSC is activated.	ouncement when the	/
8.	Verify personnel resources are on sta	ndby in the OSC.	/
97	Reevaluate the emergency classificati change per EPIP-02 "Emergency Classif as necessary.	on as conditions ication," reclassify	/
10.	As necessary, direct implementation o Fighting" and EPIP-22, "Personnel Inj	f EPIP-23, "Fire ury".	/
	 For a fire, dispatch the Fire Ten Security Director to contact the offsite fire department for assis 	Bechtel or alternate	/
	(2) For personnel injury, contact the and inform them of the situation Aid Team, if necessary, and coord offsite assistance.	e First Aid Station Dispatch a First	
11.	Determine any additional protective as to be provided to state and county res EPIP-15, "Protective Action Guidelines	DODSe Agencies ner	/
12.	As appropriate, complete Follow-up Eme	argency Message Form.	/
13.	Determine the need for offsite support Communicator to call location(s) in El Assit CONTROLLED DC	PIP-33, "Offsite	/*

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	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 3 of 11
	ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 28 of 38
	CHECKLIS EMERGENCY COOF STSC ACTIV	RDINATOR	
	Personnel Assembly and (If Assembly/Accountab		TIME/INITIAL
14.	Within 30 minutes of the accountability in from the Security Director.	ity signal in the protected area	
15.	Be prepare to implement EPIP-21, "Sea by providing necessary data to the OS	arch and Rescue" SC Coordinator.	/
16.	Receive report on site area accountable	bility.	/
	Emergency Exposures an	nd KI	
17.	Per EPIP-18, "Emergency Exposures Gu necessary, authorize emergency exposit		/
18.	As necessary, authorize administration "Potassium Iodide (KI) Administration workers desiring to use it. Consult Radiation Protection Monitor.	n" to emergency	/
	TSC Activation and Tra	ansfer to Authority	
19.	When relieved by the <u>onsite</u> Emergency a briefing and transfer responsibility		e/
	OSC Activation		요가 많이
20.	If a release is occuring, consult EP: Support Center Activation," to deter of primary OSC.	IP-12, "Operations mine habitability	
21.	If uninhabitable, direct the OSC Coor staff and equipment/supplies to the Building). If this is also uninhabit Coordator to relocate to a protected STSC, TSC or EOF).	alternate OSC (Servic table, direct the OSC	e/

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1	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 4 of 11
		REVISION	
	ALERT IMPLEMENTING ACTIONS	8	Page 29 of 38
	CHECKLIST EMERGENCY COORD STSC ACTIVA	INATOR	
	Security	1.19	TIME/INITIAL
22.	As necessary, implement EPIP-24, "Secu the Security Director to limit access contact the Maricopa County Sheriff's tance in controlling site access, and for necessry personnel not on the Emer	to the station, Office for assis- arrange access	
	Access List and/or not having access t area via card-key system.	o the protected	
23.	Ensure the Security Director is apprai assistance requests to arrange access.	sed of offsite	/
	Corrective Actions		
24.	Determine needs, consult with staff, a per EPIP-25, "Reentry for Emergency Op	uthorize reentry erations".	/
	Assessment Actions		
25.	Ensure that the Radiation Proection Moneeded data using EPIP-14A, "Release R EPIP-14B, "Initial Dose Assessment," E Surveys and Sampling" and EPIP-17, "On and Sampling".	ate Determination," PIP-16. "Inplant	
	Protective Actions		
26.	Continue to evalute the need for provi- protective action recommendations to s agencies.	ding any additional tate and county	/
			¥
27.	Determine the need for early dismissal non-essentials per EPIP-19, "Onsite Ev assembly/accountability performed.)	/evacuation of acuation". (If	/
	Event Termination or Re-	duction	
28.		or beeper	/
	within 8 hours to offsite authorities. documentation as requested.	e written summary Provide	
	Performed by	gnature	Date .

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 5 of 11
	ALERT · IMPLEMENTING ACTIONS	REVISION 8	Page 30 of 38
	CHECKI EMERGENCY CO TSC ACTI	OORDINATOR	
INIT	IAL RESPONSE		TIME/INITIALS
1.	Receive notification from the <u>onshinator</u> and report to TSC. Upon arrit	ift Emergency Coordi- ival, sign in on the	<u> </u>
2.	Receive a briefing from the onshift and assume responsibilities.	E Emergency Coordinator	
3.	Brief TSC staff and evalute adequacy of TSC activation.		/
4.			/
5.	As necessary, continue with or comm process per Appendix F or direct ST to do so.	mence notification CSC Communicator	/
6.	Verify personnel resources are on s	standby in the OSC.	1
UBSE	QUENT RESPONSE		
7.	Reevaluate the emergency classificat per EPIP-02, "Emergency Classificat necessary.	tions conditions change ion", reclassify as	/
8.		of EPIP-23, "Fire njury".	
	 For a fire, dispatch Fire Team Director to contact the Bechte fire department for assistance 	il or alternate offsite	
	(2) For pesonnel injury, contact t and inform them of the situati Aid Team, if necessary, and co offsite assistance.	on. Dispatch a First	/
			*

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1	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 6 of 11
	ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 31 of 38
	CHECKLIS EMERGENCY COOR TSC ACTIVA	DINATOR	
			TIME/INITIAL
9.	Determine any additional protective a to be provided to state and county re EPIP-15, "Protective Action Guideline	enones anoncios nos	ns/
10.	As appropriate, complete Follow-up Em	ergency Message Form	o/
11.	Determine the need for offsite suppor Communicator to call locations(s) in	t and direct a	/
	Assistance" and arrange access with t per EPIP-24, "Security".	he Security Directo:	
	· <u>Personnel Assambly</u> (If Assembly/Accou	and Accountability ntability Performed)	
12.	Within 30 minutes of the accountabilit receive a report on accountability in from the Security Director.	ty signal, the protected area	/
13.	Be prepared to implement EPIP-21, "Se by providing necessary data to the OS Emergency Maintenance Coordinator).	arch and Resue", C Coordinator (via	/
14.	Receive report on site area accountab	ility.	/
	Emergency Exposure	s and KI	
15.	Per EPIP-18, "Emergency Exposure Guide neccessary, authorize emergency expose	elines", and as ures.	/r
16.	As necessary, authorize administration to emergency workers desiring to use the Radiological Protection Coordinate	it. Consult with	/
	OSC Activation		
17.	If a release is occuring, consult Appe "Operations Support Center Activation" habitability of primary OSC.	endix B of EPIP-12, ', to determine	/
	CONTROLLED DO		1.10

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 7 of 11
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CHECKLIST EMERGENCY COORDINATOR TSC ACTIVATED

TIME/INITIALS

1

18. If uninhabitable, direct the OSC Coordinator to relocate staff and equipment/supplies to the alternate OSC (Service Building). If this is also uninhabitable, direct the OSC Coordator to relocate to a protected area (Control Room.' STSC, TSC or EOF).

EOF Activation

19. Per EPIP-13, "Emergency Operations Facility Activation", brief the Emergency Operations Director and transfer the responsibilities for notifications and protective action recommendations.

Security

- 20. As necessary, implement EPIP-24, "Security", and order the Security Director to limit access to the station, contact Maricopa County Sheriff's Office for assistance in controlling site access, and arrange access for necessary personnel not on the Emergency Personnel Access List and/or not having access to the protected area via card-key system.
- Ensure the Security Director is appraised of offsite assistance requests to arrange access.

Corrective Action

- Determine needs, consult with staff, authorize reentry per EPIP-25, "Reentry for Emergency Operations".
- 23. Ensure that the Radiological Protection Coordinator is obtaining needed data using EPIP-14A, "Release Rate Determination", EPIP-14B, "Initial Dose Assessment", EPIP-16, "Inplant Surveys and Sampling" and EPIP-17, "Onsite/Offsite Surveys and Sampling".

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 8 of 11
ALERT IMPLEMENTING ACTIONS	REVISION 8	Page 33 of 38
CHECKLIS EMERGENCY COOR TSC ACTIVA	RDINATOR	
	1	TIME/INITIALS
Protective Actions	and the second second	
 Continue to evaluate the need for pro protective action recommendations. 	oviding any addition	nal/
25. Determine the need for early dismissa non-essentials per EPIP-19, "Onsite E (If Assenbly/Accountability Performed	Vacuation	
Recovery		
26. After the EOF is activated consult wi Operations Director concerning implem "Recovery".	th Emergency enting EPIP-31,	/
Event Termination or R	eduction	
27. Contact PYNGS Compliance at ext. within 8 hours to offsite authorities documentation as requested.	de written summaen	/
Performed by		Date
	Signature	Date
and a second		
		×.
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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 9 of 11
		REVISION	1486 7 01 11
	ALERT IMPLEMENTING ACTIONS	8	Page 34 of 33
	CHECKLIST EMERGENCY COORD TSC AND EOF ACT	DINATOR	
			TIME/INITIALS
INTI	AL RESPONSE		이 같은 동안이
1.	Receive notification from the <u>onshift</u> nator and report to the TSC or Control unit. Upon arrival at the TSC, sign i Staffing Board.	Room of afferrad	
2.	Receive a briefing from the <u>onshift</u> Em and assume responsibilities.	ergency Coordinator	/
3.	Brief TSC staff and evalute adequacy o	/	
4.	Declare the TSC operational and inform Rooms, OSC, EOF, ANPP Site Construction Emergency Control Center and PVNGS Sect wide public address announcement. This be delegated to the Information Monitor	/	
5.		ility Activation", r and transfer the	/
6.	Verify personnel resources are on stand	dby in the OSC.	/
UBSE	QUENT RESPONSE		
7.	Reevaluate the emergency classification per EPIP-02, reclassify as necessary.	/ <u></u>	
8.	As necessary, direct implementation of Fighting" and EPIP-22, "Personnel Injur	EPIP-23, "Fire	/
	 For a fire, dispatch Fire Team and Director to contact the Bechtel or fire department for assistance (if 	alternate offsira	/
	(2) For pesonnel injury, contact the F and inform them of the situation. Aid Team if percentage	Dispatch a First	/
	Aid Team, if necessary, and coordi offsite assistance.	nate any required	*

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 10 of 11	
		REVISION		
	ALERT IMPLEMENTING ACTIONS	8	Page 35 of 38	
	CHECKLIS EMERGENCY COOR TSC AND EOF AC	DINATOR		
			TIME/INITIALS	
9.	Determine the need for offsite suppor Communicator to call locations(s) in 1 Assistance" and arrange access with the per EPIP-24, "Security", and coordinate Administration and Logistics Coordinate <u>Personnel Assembly and Accounts</u> (If Assembly/Accountability Personnel)	EPIP-33, "Offsite he Security Director te with the tor at the EOF. ability	/	
10.	 Within 30 minutes of the accountability signal, receive a report on accountability in the protected area from the Security Director. 			
11.	Be prepared to implement EPIP-21, "Sea by providing necessary data to the OSO Emergency Maintenance Coordinator).	arch and Rescue", C Coordinator (via	/	
12.	Receive report on site area accountable Emergency Exposures and KI	ility	/	
13.	Per EPIP-18, "Emergency Exposure Guide neccessary, authorize emergency exposu	alines", and as ares.	/	
	As necessary, authorize administration to emergency workers desiring to use i the Radiological Protection Coordinate	t. Consult with	/	
	OSC Activation		1	
15.	If a release is occuring, consult EPIP Support Center Activation", to determin of primary OSC.	-12, "Operations ne habitability	/	
0.	If uninhabitable, direct the OSC Coord staff and equipment/supplies to the al Building). If this is also uninhabita Coordator to relocate to a protected a STSC, TSC or EOF).	ternate OSC (Service	/	

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX I Page 11 of 11
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ALERT IMPLEMENTING ACTIONS	8	Page 36 of 38
CHECKLIS EMERGENCY COOF TSC AND EOF AC	RDINATOR	
Security		TIME/INITIAL
17. As necessary, implement EPIP-24, "Sec the Security Director to limit access contact Maricopa County Sheriff's Off in controlling site access, and arran necessary personnel not on the Emerge List and/or not having access to the card-key system.	s to the station, fice for assistance age access for ency Personnel Access	/
 Ensure the Security Director is appra assistance requests to arrange access 	aised of offsite s.	/
Corrective Action 19. Determine needs, consult with staff, per EPIP-25, "Reentry for Emergency C	, authorize reentry Operations".	/
Assessment Actions		
20. Ensure that the Radiological Protects obtaining needed data using EPIP-14A, Determination", EPIP-14B, "Initial Do EPIP-16, "Inplant Surveys and Sampling" "Onsite/Offsite Surveys and Sampling"	, "Release Rate ose Assessment", ng" and EPIP-17,	/
Protective Actions (If Assembly/Accountability Pe	erformed)	
 Determine the need for early dismission non-essentials per EPIP-19, "Onsite H 		/
Recovery		*
22. Consult with the Emergency Operations implementing EPIP-31, "Recovery".	s Director concerning	/
Event Termination or H	Reduction	
23. Contact PVNGS Compliance at ext. within 8 hours to offsite authorities documentation as requested.	ide written summary	
	CUMENT	Date

t

	IERGENCY PLAN	PROCEDURE NO. EPIP-04	APPENDIX J Page 1 of 2
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ALERT IMP	LEMENTING ACTIONS	8	Page 37 of 38
	STSC COMMUNICATOR	CHECKLIST	
POSITION FILLED BY			
	Nuclear Operator :	from affected unit	
RESPONSIBILITY:	Initiate the notificat onshift Emergency Coor communications equipme	dinator. Ensure op	erability of
IMMEDIATE ACTIONS		e dade e	TIME/INITIALS
	STSC Activation		
1. Report to the	STSC upon notification.	e de la composition d	/
	GENERAL EMER	WENCE	TIME/INITIALS
 Complete the directed by the Shift Supervision 	Initial Emergency Messag the <u>Onshift</u> Emergency Coo isor.	e Form as ordinator or	/
 Initiate not: by the Emerge absence). 	lfication process per App ency Coordinator (or Shif	endix F as directed t Supervisor in his	/
	sergency Coordinator when are complete.	initial	/
S. Contact the S	Security Director and inf personnel if so directe	form him to call d by the	/ <u></u>
Emergency Coo	ordinator.		
Emergency Coo 6. Prepare the I	Follow-up Emergency Messa the Emergency Coordinator	ge Form as	/

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	GS EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-04	APPENDIX J Page 2 of 2
ALI	ERT IMPLEMENTING ACTIONS	REVISION 8	Page 38 of 38
	Notification of ALERT, S	SITE AREA EMERGENCY	
	GENERAL EM		
			TIME/INITIALS
	ain records of communications mitted offsite.	received or	
	Offsite Assistant	ce	
Assit	ct required offsite assitance (ance", Appendix A) via telephor mergency Coordinator.	(EPIP-33, "Offsite ne if directed by	
	d name and time on "Telephone (", (EPIP-33, Appendix B).	Communication Log	/
	fer call to Emergency Coordinat	tor for clarification,	/
conta	n the Emergency Coordinator of at, scope of offsite assistance rival.		/
	ACTIVATION OF ONSITE EM	ERGENCY ORGANIZATION	
	fer continuous communications RC Liaison - Operations in the		/
14. Review for no Lisis			
	y the Emergency Coordinator who been transferred to the Govern		
Continuing	Activity.		

Performed By _____.

	R GENERATING STATION
PROCEDURE	CHANGE NOTICE
ASSIGNED COPY	PAGE / O
PVNGS # 8-9A	INTENT CHANGE: NO YES
1. PROCEDURE TITLE _ Sile Area Emergeous In	along for Alas
2. PROCEDURE NUMBER EPIP-05	
to exceed 5 PCNs	REVPCN_2
. REASON FOR PCN: To update Emergency A	here and the
	antanca (all hist
	,
. EXPIRATION: Next Revision	
AFFECTED STEPS:	CHANGE REQUIRED:
Appendix A	Dilete Rage 12a; Insect 12h
	the second second second second
PREPARED BY:	
- Aualda Annule 10/25k	ENTERED IN PROCEDURE BY:
	ENTERED IN PROCEDURE BY:
SIGNATURE DATE	ENTERED IN PROCEDURE BY:
Horalda Annule 10/25/3 SIGNATURE DATE TEIPORARY APPROVAL:	ENTERED IN PROCEDURE BY:
SIGNATURE DATE TEMPORARY APPROVAL: SIGNATURE DATE	ENTERED IN PROCEDURE BY:
Hualda Annule 10/25 /3 SIGNATURE DATE TEMPORARY APPROVAL: SIGNATURE DATE DEPT. MANAGER	ENTERED IN PROCEDURE BY:
Noralda Annule 10/25/5 SIGNATURE DATE TEIPORARY APPROVAL: SIGNATURE DATE DEPT. MANAGER HER FOR D.C. YOUS 10/55/5	ENTERED IN PROCEDURE BY: SIGNATURE SS/Assist. SS 9. PRB/PRG/TRRG: 10 /S1/
Hualda Annule 10/25/5 SIGNATURE DATE TEIPORARY APPROVAL: SIGNATURE DATE DEPT. MANAGER HER DEC. Yous 10/55/5	ENTERED IN PROCEDURE BY: SIGNATURE SS/Assist. SS 9. PRB/PRG/TRRG: 10/31/

PALO VERDE NUCLEAR GENERATING STATION

PROCEDURE CHANGE NOTICE

CPIRATION: Nect Perision CFECTED STEPS: CH Againdu A Amandur B	INTENT CHANGE: NO YES <u>enting Actions</u> <u>REV. & PCN</u> DATE
ROCEDURE NUMBER <u>EPIP-05</u> Emager concurrence <u>N/P</u> o exceed 5 PCNs EASON FOR PCN: <u>To update phone on ers found</u> <u>Appendix B</u> UPIRATION: <u>Next Poursion</u> FECTED STEPS: <u>CH</u> <u>Appendix B</u>	REV. S PCN
ROCEDURE NUMBER <u>EPIP-05</u> Emager concurrence <u>N/P</u> o exceed 5 PCNs EASON FOR PCN: <u>To update phone on ers found</u> <u>Appendix B</u> UPIRATION: <u>Next Poursion</u> FECTED STEPS: <u>CH</u> <u>Appendix B</u>	REV. S PCN
ROCEDURE NUMBER <u>EPIP-05</u> Emager concurrence <u>N/P</u> o exceed 5 PCNs EASON FOR PCN: <u>To update phone on ers found</u> <u>Appendix B</u> UPIRATION: <u>Next Poursion</u> FECTED STEPS: <u>CH</u> <u>Appendix B</u>	REV. S PCN
ROCEDIJRE NUMBER <u>EPIP-05</u> enaget concurrence <u>N/P</u> o exceed 5 PCNs EASON FOR PCN: <u>To update phone on ers found</u> <u>Appendix B</u> UPIRATION: <u>Next Poursion</u> FECTED STEPS: <u>CE</u> <u>Appendix B</u>	REV. S PCN
CPIRATION: Next Persion CPIRATION: Next Persion CPIRATION: Next Persion CPIRATION: Next Persion CPIRATION: Next Persion CHAPPANER CHAPPAN	Street, St
CPIRATION: Nect Perision	No. of Concession, Name of
Appendix B	in Appendix A and
Appendix A	
apadu A	ANGE REQUIRED:
	Bible Page 12; Insert RA
	A
	Delete toge 13; Josent 13A
EPARED BY:	
- allace a. Sumple shuta	TERED IN PROCEDURE BY:
GNATURE	CNATURE
PORARY APPROVAL :	GRALURE
NP	1
NATURE DATE N	1/A
TATORE DATE SS/	Assist. SS
	PRB/PRC/TRRG: 4/29
SATURE 011 - 9/19/85 1	Change and Silver
ROVED BY DA 21112A 111 DATE STO	STORGIN STAT
to find a first to the Klobel	WATURE .
E EFFENTITONE PARAMENT MANAGER'S SIGNATURE	9/20/81

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	
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ASSIGNED COPY # 8-9A **PVNGS**

DEPT. HEAD DATE 1/111 PRB/PRG/TRRG REVIEW DATE APPROVED BY DATE 09.10.94 EFFECTIVE DAT DN-1600A/0787A

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REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
5	3/4/85	11	Revised callouts and
			announcements. Added NAN
			Backup instruction Appendix.
			Added emergency coordinator
	<u>v</u>		checklists.
6	4/9/85	App. A & B	Revised to incorporate PCN
·			#01 of Rev. 5. PCN
			corrected phone #s in App.
			<u>A & B.</u>
7	04.11.65	3, 7, 8, 9,	Added termination message
		10, 11, 13,	form and instructions. Added
		14, 17, 18,	note to provide guidance
		19, 20, 22,	on notifications. Changed
		24, 25 and 28	sequence of notifications in
			App. A. Updated references
			to all appendices. Capital
			announcements to make easier
		<u> </u>	to identify.
1	V		

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE			PROCEDURE NO. EPIP-05	
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		REVISION HI		
Rev. No.	Date	Revised Pages		Comments
8	69-10-55	4.6.910, 11,	LIVERPO	XATES PUN +
		12, 13, 20, 21,	OF REU.	7. Anogo NEW
		25, 26, 30, 33,	PROVE #	STIC Commu
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SITE AREA EMERGENCY IMPLEMENTING ACTIONS 8		Page 4 of 39
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1.0		ure provides a seri declaration of a SI	es of implementing TE AREA EMERGENCY.	actions to be
2.0	REFERENCES			
2.1	Implementin	g References		
2.	1.1 EPIP-02	, "Emergency Classif	fication"	
2.	1.2 EPIP-11	, "Technical Support	Center/Satellite	ISC Activation"
2.		, "Operations Support		
2.	1.4 EPIP-13	, "Emergency Operat:	ons Facility Activa	ation"
2.	1.5 EPIP-14	A, "Release Rate Det	ermination"	
2.	1.6 EPIP-14	B, "Initial Dose Ass	essment"	
2.	1.7 EPIP-15	, "Protective Action	Guidelines"	
2.	1.8 EPIP-16	, "Inplant Surveys a	und Sampling"	
2.	1.9 EPIP-17	, "Onsite/Offsite Su	rveys and Sampling'	
2.	1.10 EPIP-18	, "Emergency Exposur	e Guidelines"	
2.	1.11 EPIP-19	, "Onsite Evacuation		
2.	1.12 EPIP-20	, "Personnel Assembl	y and Accountabilit	y"
2.	1.13 EPIP-21,	, "Search and Rescue	"	
2.	1.14 EPIP-22,	, "Personnel Injury"	한 김 씨는 것이다.	
2.	1.15 EPIP-23,	"Fire Fighting"		
2.	1.16 EPIP-24,	"Security"		
2.	1.17 EPIP-25,	"Reentry for Recov	ery Operations"	
2.	1.18 EPIP-26,	"Potassium Iodide	(KI) Administration	
2.	1.19 EPIP-31,	"Recovery"		

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2.1.20 EPIP-33, "Offsite Assista 2.1.21 71AC-9ZZ01, "Event Relate 2.1.22 9N219.05.00, "Documentati	ed Reporting".	Control"
2.2 Developmental References		
2.2.1 NUREG-0654, Rev. 1, "Crit of Radiological Emergency Support of Nuclear Power	Response Plans and	on and Evaluation d Preparedness in
2.2.2 PVNGS Emergency Plan, Rev	7.6	
3.0 LIMITATIONS AND PRECAUTIONS		
3.1 Continued surveillance and as necessary to ensure that the appropriately revised as cond information is obtained.	emergency classific	ation in
3.2 Notifications to state/county Notification Call List-Emerge shall commence within 15 minu	nev Coordinator/STS	C Communication !!
4.0 DETAILED PROCEDURE		
4.1 Personnel Indoctrination/Resp	onsibilities	
4.1.1 In a SITE AREA EMERGENCY, material may occur. Any EPA Protective Action Gui site boundary. Considera actions, based on actual All onsite and offsite em	releases are not ex deline exposure lev tion of appropriate or projected data.	pected to exceed els beyond the protective is warranted

Onsite evacuation will be initiated if appropriate. The station shall provide updated radiological/meteorological information to offsite emergency management organizations. The SITE AREA EMERGENCY status shall be maintained until the event is terminated or reclassification takes place.

4.1.2 The Shift Supervisor or Emergency Coordinator shall be responsible for initiating and completing the implementing actions of this procedure.

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4.2 Prerequisites			3
4.2.1 The emergency has been cla Classification."	assified per EPIP-02	, "Emergency	

4.3 Instructions

4.3.1 The affected unit Shift Supervisor shall perform the following:

NOTE

Designated Unaffected Unit Shift Supervisor to assume the role of the Emergency Coordinator in the <u>Onshift</u> Emergency Organization are:

Affected	Unit	Unaffected	Unit Shift	Supervisor
Unit 1			Unit 2	
Unit 2			Unit 1	
Unit 3			Unit 2	
Entire	Site		Unit 1	

4.3.1.1 Notify the Shift Supervisor of the designated unaffected unit (or Shift Supervisor of an unaffected unit) to report to the Control Room of the affected unit and assume the duties of the Emergency Coordinator.

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PV218-000A (8/82)

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NOTE

Initial notifications shall be made from the satellite TSC by the Satellite TSC Communicator until activation of the EOF. At that time all subsequent initial and follow up notifications shall be made by the Government Liaison Engineer in the EOF.

NOTE

If the emergency situation is terminated before initial notifications are finished, complete the notifications per Appendix A. Then repeate Appendix A with the notification of termination. If the emergency is terminated before initial notifications can be started, provide both initiating and terminating messages in the same call.

NOTE

Protective Action recommendations (Appendix H) are based on plant and containment conditions and these recommendations are made to offsite officials even when no release is in progress.

- 4.3.1.2 Notify the Control Rooms of the unaffected units.
- 4.3.1.3 Direct the Satellite TSC Communicator (or Government Liaison Engineer) to fill out Appendix C, "Initial Emergency Message Form", in accordance with instructions provided in Appendix F.
- 4.3.1.4 Sound the accountability signal for approximately one minute.

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PVNGS EME	RGENCY PLAN	PROCEDURE NO.	
IMPLEMENTI	NG PROCEDURE	EPIP-05	
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS		Page 9 of 39
4.3.1.5	Silence the signal and over the plant wide tel (TAIS May & delegat "ATTENTION ALL PLA EMERGENCY SITUATION AREA EMERGENCY EXI ASSEMBLY AND ACCOUN PROGRESS. ALL AFF RESPONSE PERSONNEL YOUR EMERGENCY LOC PERSONNEL REPORT T AREA". (Provide in areas to avoid as	ephone page (phone A) 13 9/4/47 NT PERSONNEL, AN N CLASSIFIED AS A STS IN UNIT NTABILITY ARE NOW ECTED UNIT EMERGEN AND ALTERNATES RE ATION. ALL OTHER O YOUR ASSIGNED AS INSTRUCTIONS ON FOU	NO SITE IN CY PORT TO SEMBLY
4.3.1.6	Repeat the announcement warning siren/public ad	in step 4.3.1.5 o dress system.	ver the site
4.3.1.7	Resound the accountabil announcement.	ity signal and rep	eat the
4.3.1.8	Ensure that actions of procedures have been im		covery
4.3.2 The	Emergency Coordinator s	hall perform the f	ollowing:
4.3.2.1	Ensure activation of th EPIP-11, "Technical Sup Activation."	e satellite TSC in port Center/Satell	accordance with ite TSC
4.3.2.2	Following accountabilit initiate EPIP-19, "Onsi	y, and if conditio te Evacuation".	ns warrant,
4.3.2.3	Implement additional Em Procedures according to the emergency being cla	the situation that	t resulted in
4.3.2.4	Direct the Security Dir Offsite Emergency Organ appropriate computer ca	ization personnel	
4.3.2.5	Direct the STSC Communi Engineer) to prepare Ap Message Form" in accord Appendix F.	pendix D, "Follow-	up Emergency

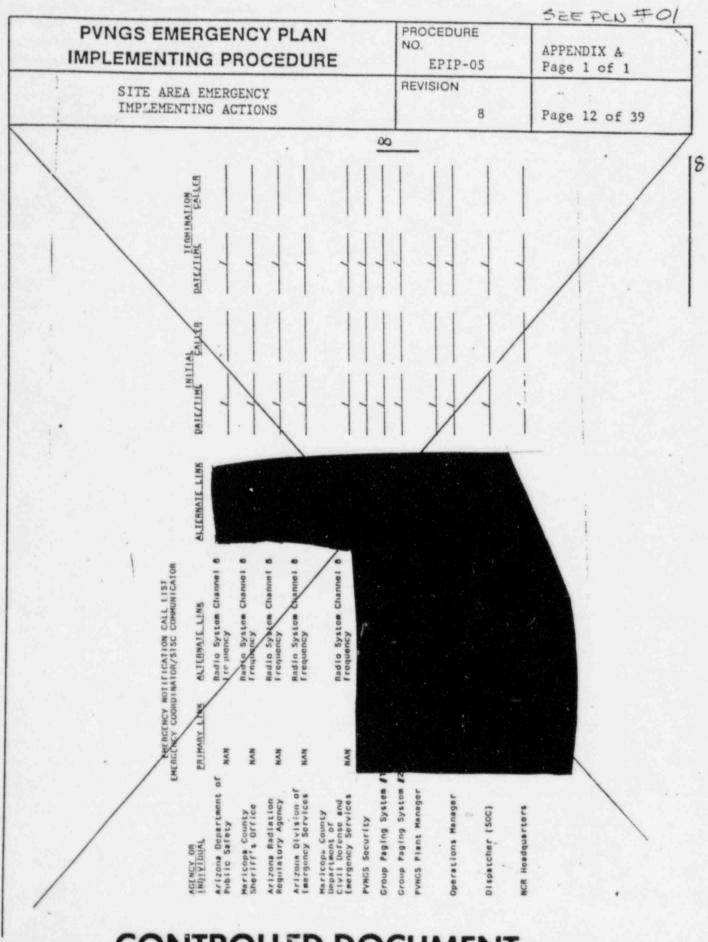
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	ERGENCY PLAN NG PROCEDURE	PROCEDURE NO. EPIP-05	
SITE AREA IMPLEMEN	A EMERGENCY FING ACTIONS	REVISION	
		8	Page 10 of 39
4.3.2.6	Determine the need for is necessary, direct t the Administrative and the required agency per	ne SISC Communicator	r (onshift) or
4.3.2.7	Reevaluate the emergend licensee actions as com procedure EPIP-02.	cy classification a	
4.3.2.8	When the situation wars SITE AREA EMERGENCY, pr and notification proceed Supervisor to announce public address system a	ures and direct the	e implementing Shift
4.3.2.9	The Emergency Coordinat Appendix I.		
is com PVN0	GS Security, after being rdinator or STSC Communi in progress or has occur plete Appendix B, "Emerg GS Security," and notify the situation.	red, or has been te	rea Emergency rminated shall
4.3.4 Open	rations Support Center (OSC) Activation	
	The OSC Coordinator sha Support Center Activati	11 implement FPTP-1	2, "Operations
4.3.5 Emer	gency Operations Facili	ty (EOF) Activation	
4.3.5.1	The Emergency Operations EPIP-13, "Emergency Oper	s Director shall in	
	gency Situation Termina		designer
	The Shift Supervisor (or sound the "All Clear" s: minute, silence the sign announcement over the pl no.	r Emergency Coordina ignal for approximat	stor9 shall sely (1)
	"ATTENTION ALL PERS	SONNEL. THE EMERGEN	CY

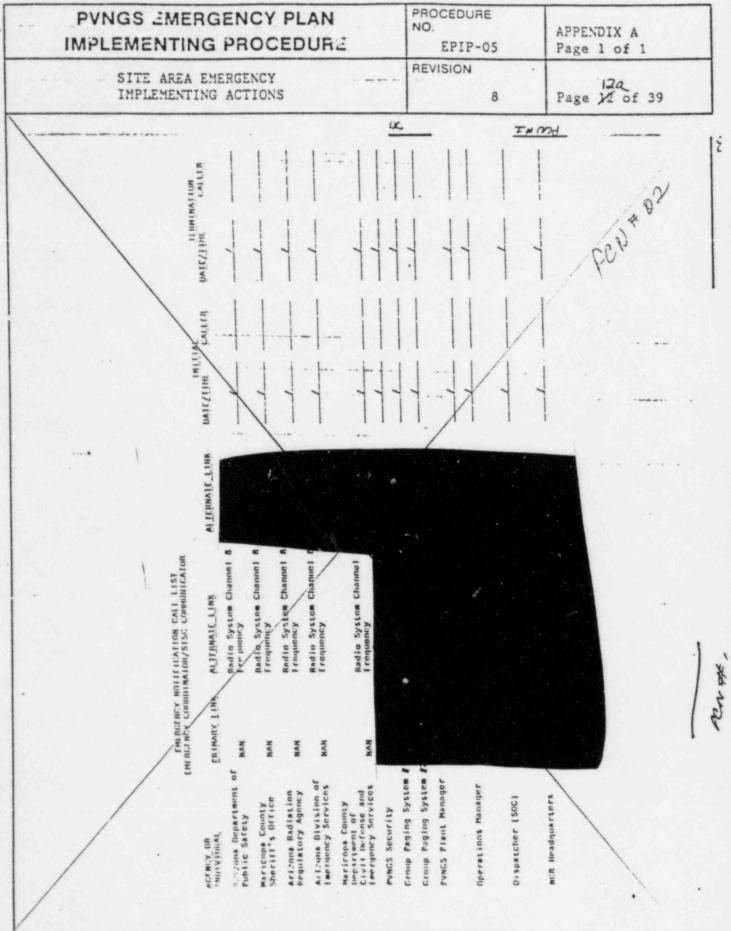
SITUATION DECLARED IN UNIT HAS NOW BEEN TERMINATED". (Provide special instructions as necessary.)

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		
	A EMERGENCY FING ACTIONS	REVISION 8	
4.3.6.2	Repeat the announcement warning siren/public a	nt in step 4.3.6.1	
4.3.6.3	Repeat signal and anno		
4.3.6.4	Direct the STSC Commun Engineer) to fill out Message Form", in acco in Appendix F.	Appendix E. "Emerg	ency Termination
4.3.6.5	Direct the STSC Commun Engineer) to transmit	nicator (or Governm the termination pe	ent Liaison r Appendix A.
4.3.6.6	At closeout or reduct: classification, the S. Compliance at ext.	S./E.C. shall noti	FY PVNGS
	authorities within eig provide copies of shif requested by Compliand	ft logs, control ro	S.S./E.C. shall ,
4.3.7 Rec	ord Retention		
4.3.7.1	Appendices A, B, C, D, the Emergency Planning ensure the are forwar	z Dept., mail stati	on 6010, to per storage in



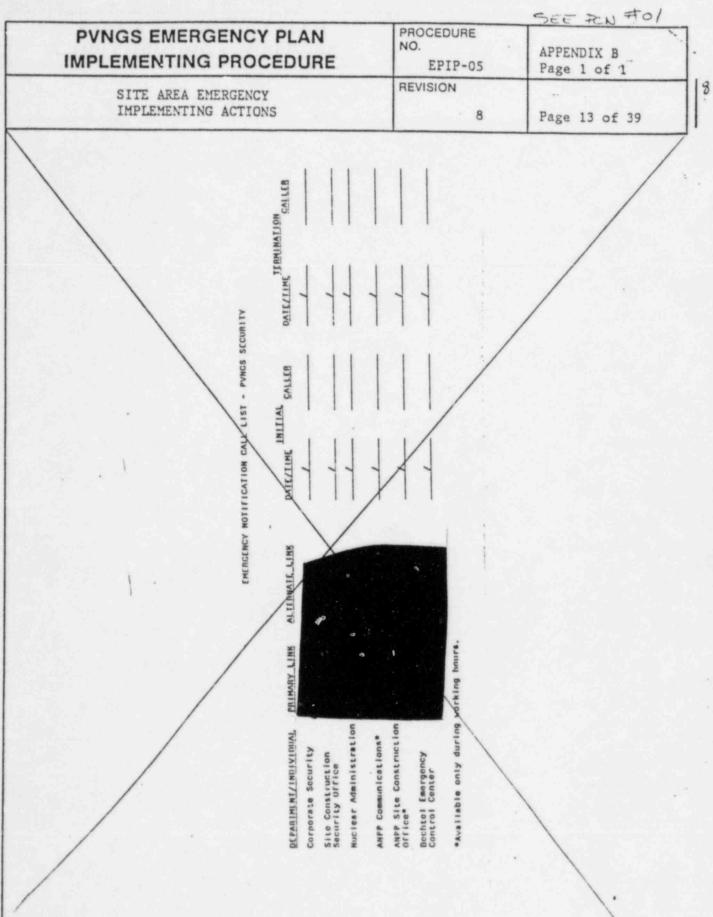
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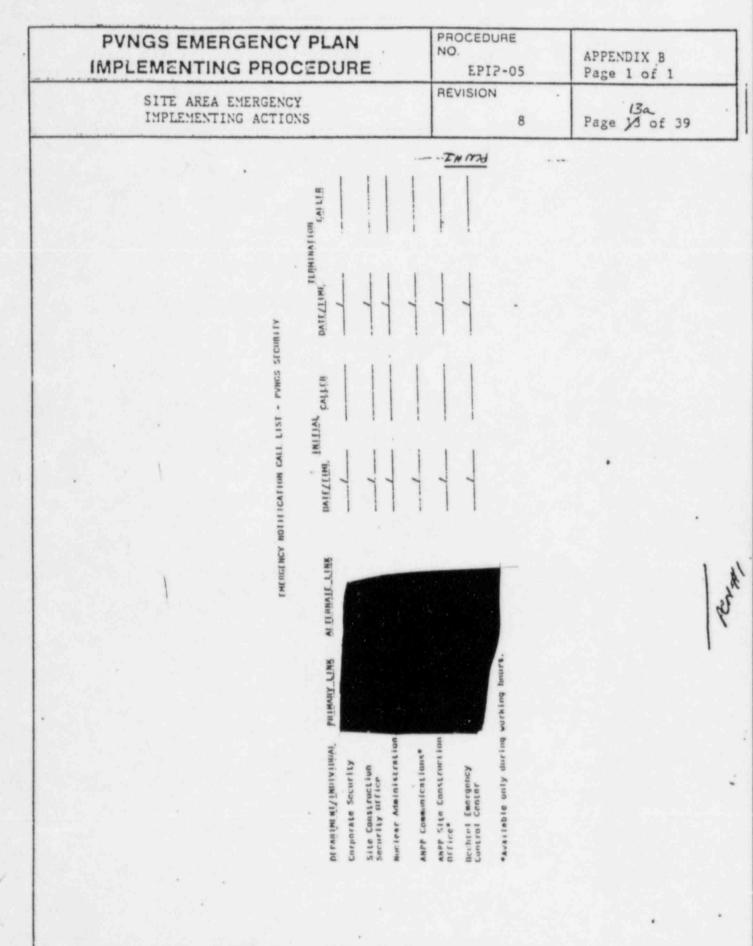
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		EMERGENCY NOTI	FICATION CALL LIST	I NOR	-		I S	IMPLEMENTING
ACENCY OR				INITIAL	TERMINATION		ITE	ME
INDIVIDUAL Arizona Department of	PRIMARY_LINK	ALIERNATE_LINK Radio System Chaunol 8	ALIFRNAIL LINK	DATEZIIME CALLER	DALLZIMI CALLER		EME	ZT
	NAN	Frequency		<i>l</i>			ENT	ITIN
Maricopa County Sheriff's Office	NAN	Radio System Channel 8 Frequency					SITE AREA EME IMPLEMENTING	NG
Arizona Radiation Regulatory Agency	NAN	Radio System Channel 8 Frequency					AC	
Arizona Division of Emergency Services	NAN	Radio System Channel 8 Frequency			1		EMERGENCY ING ACTIONS	100
Maricopa County Department of Civil Defense and Imergency Services	NAN	Radio System Channel 8 Frequency			,		SN	CEDURE
PVNGS Security					1	i de la composición d		DUR
croup Paging System #1						191		m
Group Paging System #2								
PVNCS Plant Manager						1		1
Operations Manager						PCU -	RE	ZT
tanager •				1		PCS P	VIS I	NO. EPIP-05
				•		a	REVISION	EPIP
laintenanco Manager *						- -	Z	UP-
							00	O m
lant Servicas Manager			영상			- 1 -		1
ispatcher (SOC)								
And the second second								
A Headquarters					/		Pa	APPEND Page 1
						180	09 10	09 e
Call these personnel in PVNGS Plant Manager or i	angent (core March	fone of them is reached o	mig if unable to a	contact		PKU	tin	VDIX 1 o
trans trans names of st	Post 1	and the second s	NH1 POUR	- 1		3.14	of	m DA
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	the sufficient of the second	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		Page 1 of 1
		A EMERGENCY TING ACTIONS	REVISION 8	Page 14 of 39
1.	Verbatim t IS PALO VE	NOTIFICATION C ALERT, SITE AREA EMERGE ext of Message: THIS I RDE NUCLEAR GENERATING ITE AREA EMERGENCY) (GE (circle applica	S (IS NOT) A DRILL! STATION (NOTIFICATI NERAL EMERGENCY) ble classification)	! (Circle One) <u>THIS</u> ON OF UNUSUAL EVENT)
decid		(date)	rom degrees	- At mph. (speed)
P	ALO VERDE AU		· · · · · ·	
		(authent	icator letters)	
	This is	(name/title) , at	the Palo Verde Nucl	ear Generating
3. (Circle One)		1.1.1.1.1.1	
(a) There is protectiv	<u>NO</u> , repeat <u>NO</u> , radioac re actions are recommen	tive release taking ded at this time. OR	place and no specia
(b) There is operating	<u>NO</u> , repeat <u>NO</u> , radioac limits and <u>NO</u> protect	tive release in exc	ess of allowable dations at this time
(c) There is However,	<u>NO</u> , repeat <u>NO</u> , radioac the following protecti Sectors	tive release taking	nmended.
(d) A radioac people in	tive release <u>IS</u> , repea affected sectors rema Sectors	OR t <u>IS</u> , taking place. in indoors with wind Distance (N	lows and doors close
				=
(e) A redioac evacuatio	tive release <u>IS</u> , repea n of affected sectors Sectors	t IS, taking place.	
4. T	HIS IS (IS NO	T) A DRILL!! (Circle Or		The factor
A	pproved			

IM	VNGS EMERGENCY PLAN PLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX D Page 1 of 3
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION	Page 15 of 3
	FOLLOW-UP EMERGENCY	MESSAGE FORM	
1.	Verbatim text of Message: THIS IS THIS IS A PALO VERDE NUCLEAR GENER message concerning the (NOTIFICATI AREA EMERGENCY) (GENERAL EMERGENCY (circle applicab	ATING STATION foll ON OF UNUSUAL EVEN	ow-up informati T) (ALERT) (SIT
	declared at		
	(time) (date)		
2.	This is, at P	alo Verde Nuclear	Generating Stat
3.	Brief description of event		
4.	Meteorological Data		
4.		(degrees) - at	
4.	a. Wind direction from (direction)	(sp	
4.	a. Wind direction from (direction)	(sp	
4.	a. Wind direction from (direction)	(sp r) G	
4.	 a. Wind direction from (direction) from to (sector) b. Stability Class: A B C D E F 	(spo r) G a)	
	 a. Wind direction from (direction) from to (sector) b. Stability Class: A B C D E F (Circle One) c. Precipitation Yes No 	(spo r) G a)	
	 a. Wind direction from (direction) from to b. Stability Class: A B C D E F (Circle One) c. Precipitation Yes No (Circle One) 	(spo r) G a)	
	 a. Wind direction from (direction) from to (sector) b. Stability Class: A B C D E F (Circle One) c. Precipitation Yes No (Circle One) Radiological Data 	(spo r) G a)	

3

	VNGS EMERGENCY PLAN PLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX D Page 2 of 3
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 16 of 39
	b. Release Time		
	c. Reactor Trip Time	<u>-</u> 1111	
	d. Location/Source of Release		
6.	Current Release Rates		
	a. I-131 Equivalent C: b. Noble Gas C:	/second	
	c. Particulates C:	/second	
7.	Two-hour plume centerline projected	dose at:	
	Distance Sector Whole Body Dose (REM)	Child Thyroid Dose Commitment (REM) *	
	Site		
	Boundary		
	1		
	2 miles		
	6 miles		
			197 (K. 1996) (K. 1
	10 miles		
8.	Plume arrival time offsite:		
	2 mi 5 mi		
	10 mi Ruth Fisher School Arlington School		
9.	Estimated duration of release	minut	es ,
	CONTROLLED DO	CLIMENIT	

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX D Page 3 of 3
SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 17 of 3
10. The Following Emergency Measures 1 Recommended:	Including Protectiv	e Actions are
11. The Following Emergency Reponse Ad	ctions are Underway	•
12. We Request the Following Onsite Su Sources:	upport and Assistan	ce from Offsite
12. We Request the Following Onsite Su Sources:	ipport and Assistan	ce from Offsite
Sources: . 13. Our Prognosis of the Emergency is Are Under Control	that Conditions:	ce from Offsite
Sources: . 13. Our Prognosis of the Emergency is Are Under Control Can Be Expected to Terminate Wi Are Worsening	that Conditions:	ce from Offsite
13. Our Prognosis of the Emergency is Are Under Control Can Be Expected to Terminate Wi	that Conditions:	ce from Offsite
Sources: . 13. Our Prognosis of the Emergency is Are Under Control Can Be Expected to Terminate Wi Are Worsening	that Conditions:	ce from Offsite
Sources: . 13. Our Prognosis of the Emergency is Are Under Control Can Be Expected to Terminate Wi Are Worsening	that Conditions:	ce from Offsite

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P	VNGS EMERGENCY PLAN	PROCEDURE NO.	
IM	PLEMENTING PROCEDURE	EPIP-05	APPENDIX E Page 1 of 1
		REVISION	Tage I OF I
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS		
		8	Page 18 of 3
	EMERGENCY TERMINATION N	ESSAGE FORM	
1			
	Verbatim text of message: THIS IS THIS IS PALO VERDE NUCLEAR GENERATI	(IS NOT) A DRILL!	(Circle One)
	(ALERI) (ALERI) (SITE AREA E	MERGENCY) (GENERAL	L EMERGENCY)
	(circle approprite classification)	DECLARED	
	(Time) (Date)	HAS BEEN TERMIN	NATED AT
	(Jace)		
	(Tine)	프린 이번 영상	
	(Time) (Date)		
2.	This is		, at Palo
	(Name) Verde Nuclear Generating Station	(Date)	
3.	PALO VERDE AUTHENTICATOR		
	(A	uthenticator Lette	ers)
App	roved:		
	(SS/EC/EOD)	Date/Ti	me
	**		
		6 1 1 State	
	CONTROLLED DO		

	IGS EMERGENCY PLAN EMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX F Page 1 of 3
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 19 of 39
	INSTRUCTIONS FOR COMPLETING	APPENDIX C, D OR	E
1.0	INITIAL EMERGENCY MESSAGE FORM (APPENDIX C)	
1.1	Fill in data required by steps Emergency Message Form". Obta confidential envelope marked o month and drill sequence numbe	in authenticator f n the outside with	rom the
1.2	Obtain from the Radiation Prot Radiological Assessment Coordi required to complete step 3 of	nator (if EOF is a	shift) or ctivated) data
1.3	Circle appropriate wording of	step 4 of Appendix	. C.
	NOTE		
	When the NAN ring button appears that all the rece line, or, the ring has st originating station shall in the order listed below of day.)	iving stations are opped, the PVNGS initiate a roll of	all
	NOTE		
	If the NAN dedicated tele Appendix G, "Notification Radio Backup", for instru- channel 8, KON-511, for no	Alert Network (NA ctions on using	to N)
1.4	By means of a single call on the dedicated telephone, contact the listed in Appendix A.	he Notification an he following State	d Alert Net /County agencies
	Duty Hours (8:00 a.m. to 5:00)	o.m. Monday-Friday)
	Maricopa County Sheriff's Offic Maricopa County Department of (Arizona Department of Public Sa Arizona Division of Emergency S Arizona Radiation Regulatory Ag	Civil Defense and afety Services	Emergency Services
2114	Off-Duty Hours (5:00 p.m. to 8 Saturday, Sunda	:00 a.m., Monday-F ay and Holidays)	riday, all day
	Maricopa County Sheriff's Offic Department of Public Safety	e	

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO.	APPENDIX F	
	INCINING PROCEDORE	EPIP-05	Page 2 of 3	
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS		Page 20 of 39	39
1.5	In the event that an offsite go not answer the NAN phone or NAN drill, or actual emergency, the Communicator) shall notify the (numbers listed in App. A).	backup radio dur:	ing a test,	
1.6	When contact is made, the calle request that the individuals ob Emergency Message Form.	r shall identify h tain a copy of the	imself and Appropriate	
1.7	When each individual has obtain Emergency Message Form verbatim verbatim. Perform warning point	and request MCSO	to read back	
1.8	Offer to repeat information and	reiterate as nece	ssary.	
	NOTE			1
	To verify the group page as pager installed in the STS much as two (2) minutes may dial-up and the broadcast a	C. Be aware that v lapse between	the as	
1.9	Notify additional personnel as and inform them of the situation for both Group Paging Systems No	1. Provide the fo	llowing massage	
	"THIS IS PVNGS, UNIT, CI PLEASE RESPOND APPROPRIATED once).	ASSIFICATION TWO, LY." (Repeat mess	age	'
1.10	If an individual requests inform Emergency Message Form, make rea give the information only after been made.	sonable efforts t	o obtain and	
1.11	Contact the NRC via the Emergence dedicated telephone within 60 mi If the ENS fails, use commercial alternate line.	nutes of declarin	an amarganen	
1.12	When contact is made, the caller the completed Emergency Message Verde Authenticator).	shall identify h Form verbatim (om	imself and read it the Palo	
1.13	Offer to repeat information and	reiterate as nore	C C 3 PT	•

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	NGS EMERGENCY PLAN EMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX F Page 3 of 3
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 21 of 39
2.0	FOLLOW-UP EMERGENCY MESSAGE FORM	(APPENDIX D)	
2.1	Fill in data required by steps Emergency Message Form".	1-3 of Appendix D,	"Follow-up
	NOTE		
	If the emergency is non-rasteps 4-9 may be deleted.	adiological in natur	e,
2.2	Obtain from the Radiation Prote Assessment Coordinator (if EOF complete steps 4-9.	ection Monitor or th is activated) data	e Radiological required to
2.3	Obtain from the Emergency Coord Coordinator (if EOF is activate 10-14.	dinator or the Techn ad) data required to	ical Analysis complete steps
2.4	Circle appropriate wording in s	step 15.	
2.5	Dispense information when asked	by offsite agencie	s (NRC or ARRA).
3.0	EMERGENCY TERMINATION MESSAGE FOR	M (APPENDIX E)	
3.1	Fill in data required by steps Termination Message Form".	1-3 of Appendix E,	"Emergency
3.2	Obtain approval from SS/EC/EOD.		
3.3	Transmit termination per Append	ix A.	
	NOTE		
	To verify the group page a pager installed in the STS much as two (2) minutes ma dial-up and the broadcast	C. Be aware that as v lapse between	ne s
3.4	When using the Group Paging Sys termination, use the following r	tems to announce eve message:	ent
2	"THIS IS PVNGS UNIT, EN CANCEL RESPONSE TO EMERGENC	MERGENCY TERMINATED.	PLEASE

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	GS EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX G. Page 1 of 2
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 22 of 3
	NOTIFICATION ALERT NETWORK CHANNEL 8 -	(NAN) RADIO BACKUP KON511	
design	e of failure of the NAN ringdown 8 on the PVNGS radio. FCC re- ator 'KON511' be used to precedu ications.	oulations raquire +	n D.1. 11. 1
Ver	te control of the radio channel ," (Repeat) "All stations this de. 5-1-1 Palo Verde to all 5 nt roll call."	not this is V-O-N	5-1-1 B-1-
2. Was	t 30 seconds to allow the offs: in repeat the previous transmiss	ite agencies to get sion.	to their radios
	NOTE		
	After 5 P.M. weekdays, all holidays, Maricopa County S and Department of Public Sa only agencies responding.	Sheriff's Office (MC	(02
3. Ini sta	tiate roll call of the offsite tions on the net to respond.	government agencies	, allowing
3.1	"5-1-1 Palo Verde to 5-1-1 Mar you copy?" Allow response: "5-1-1 MCSO co		f's Office. Do
	"5-1-1 Palo Verde to 5-1-1 Mar	icona County Depart	
3.2	Defense & Emergency Services. Allow response: "5-1-1 Civil D	Do you copy? (MCI	ment of Civil CD&ES)
3.3	Derense a Emergency Services.	Do you copy? (MCI Defense copies." Deartment of public S	CD&ES)

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX G Page 2 of 2
SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 23 of 39

- 3.5 "5-1-1 Palo Verde to 5-1-1 Arizona Radiation Regulatory Agency. Do you copy? Allow Response: "5-1-1 ARRA copies."
- 4. Upon completion of roll call, transmit the notification message verbatim. Take an acknowledgement roll call, allowing MCSO to read the message back in its entirety, and provide assistance or clarification, as needed.
- Upon completion of the second roll call, announce: "K-O-N 5-1-1 Palo Verde off." This is the required FCC sign-off.

7. Continue notification per Step 1.8 Appendix F.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX H Page 1 of 1
SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 24 of 39

PROTECTIVE ACTION RECOMMENDATIONS

Classification	Protective Actions	
Category	Recommendations	

Site Area Emergencyany releases are not expected to exceed EPA/PAG exposures levels beyond the site boundary unless further degradation of safety systems occur.

Inform state and county authorities of Site Area Emergency status/cause and recommend seeking shelter within a 2 mile radius of the plant and within 10 miles in affected sectors as warranted based on plant/containment conditions and projected and/or actual releases.

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 1 of 13
SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 25 of 39

CHECKLIST EMERGENCY COORDINATOR STSC ACTIVATED

POSITION FILLED BY:

- 1) PVNGS Plant Manager
- 2) Manager, Technical Support
- Shift Supervisor

RESPONSIBILITY:

The individual onsite with the responsibility and authority to immediately and unilaterally initiate emergency actions, including providing notification and protective action recommendations to Governmental authorities responsible for implementing offsite emergency measures. Provide for the control and coordination of onsite emergency response.

NOTE

Refer to the following pages per appropriate facility activation

Facility Activated	Appendix I Page
STSC	1-4
TSC	5-8
TSC/EOF	9-11

INITIAL RESPONSE

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TIME/INITIALS

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- Receive notification from the Shift Supervisor and report to the Cortrol Room of affected unit.
- Provide plant wide public address announcement or direct the Shift Supervisor to provide same per step 4.3.1.5 and 4.3.1.6 of this procedure. (This may be delegated.)
 Review plane to the state of the
- 5. Review plant status, initiating event, corrective actions and emergency classification with the Shift Supervisor.
- 4. Assume the position of onships Emergency Coordinator.

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 2 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 26 of 39
	CHECKLIS EMERGENCY COORI STSC ACTIVA	DINATOR	
INIT	TIAL RESPONSE		TIME/INITIALS
5.	Activate the Satellite TSC per EPIP-11, Support Center/Satellite TSC Activation	, "Technical	
6.	Commence notification process per Apper direct STSC Communicator to do so.	ndix F or the	/
	 Direct the Security Director to ca onsite and offsite Emergency Organ 	all in the PVNGS mization Personnel.	/
7.	 Provide plant wide public address announcement when the STSC is activated. 		/
8.	Verify personnel resources are on stand	iby in the OSC.	/
9.	9. Reevalute the emergency classification as conditions change per EPIP-02, reclassify as necessary.		/
10.	As necessary, direct implementation of Fighting" and EPIP-22, "Personnel Injur	EPIP-23, "Fire	/
	 For a fire, dispatch Fire Team and ity Director to contact the Bechte offsite fire department for assist 	1 or alternate	/
	(2) For personnel injury, contact the and inform them of the situation. Aid Team, if necessary, and coordi offsite assistance.	Dispatch a First	/
11.	Determine any additional protective act to be provided to state and county resp EPIP-15, "Protective Action Guidelines.	onse agencies ner	
12.	As appropriate, complete Follow-up Emer		/
13.		and direct the STSC	

	PVNGS EMERGENCY PLAN IMPLEMENT(NG PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 3 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 27 of 39
	CHECKLIS EMERGENCY COOR STSC ACTIV	DINATOR	
SUBS	SEQUENT RESPONSE		TIME/INITIALS
	Personnel Assembly and	Accountability	
14.	Within 30 minutes of the accountability a report on accountability in the prot the Security Director.	y signal, receive ected area from	/
15.	Receive a report on site accountability	y later.	/
16.	Be prepared to implement EPIP-21, "Sear by providing necessary data to the OSC	rch and Rescue", Coordinator.	/
	Emergency Exposures and	KI	
17.	Per EPIP-18, "Emergency Exposure Guide necessary, authorize emergency exposure	lines," and as es.	/
18.	As necessary, authorize administration "Potassium Iodine (KI) Administration" workers desiring to use it. Consult wi Protection Monitor.	to emergency	/
	TSC Activation and Trans	fer of Authority	
19.	When relieved by <u>onsite</u> Emergency Coord a briefing and transfer responsibilitie	linator, provide es.	/
	OSC Activation		
20.	If a release is occurring, consult EPIF Support Center Activation," to determin of the primary OSC.	2-12, "Operations the habitability	/
21.	If uninhabitable, direct the OSC Coordistaff and equipment/supplies to the alt Building). If this is also unihabitabl Coordinator to relocate to a protected STSC, TSC or EOF).	ernate OSC (Service	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 4 of-13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 28 of 39
	CHECKLIST EMERGENCY COORD STSC ACTIVA	DINATOR	
	Security		TIME/INITIALS
22.	As necessary, implement EPIP-24, "Secur the Security Director to limit access t contact Maricopa County Sheriff's Offic in controlling site access, and arrange necessary personnel not on the Emergence List and/or not having access to the pr card-key system.	to the station, the for assistance access for	/
23.	Ensure the Security Director is apprais assistance request to arrange access.	ed of offsite	/
	· Corrective Actions		
24.	Determine needs, consult with staff, au per EPIP-25, "Reentry for Emergency Ope	thorize reentry rations."	/
	Assessment Actions		
25.	Ensure that the Radiation Protection Mo needed data using EPIP-14A, "Release Ra EPIP-14B, "Initial Dose Assessment," EPI Surveys and Sampling" and EPIP-17, "Ons and Sampling."	te Determination,"	
	Protective Actions		
26.	Continue to evaluate the need for provi Action recommendations.	ding Protective	/
27.	Determine need for early dismissal/evac non-essentials per EPIP-19, "Onsite Eva	uation of cuation."	/
28.	Establish evacuation order, offsite reas evacuation route and inform the Security	ssembly area, y Dírector.	
	Order evacuation signal when the Securit	and the second	

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 5 of 13
SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	 Page 29 of 39
Event Termination or Re	duction	
0. Contact PVNGS Compliance at ext. The provide within 8 hours to offsite authorities. documentation as requested.	e written summary	/
Performed BySign	ature	_ Date
•		
		•
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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX Ì Page 6 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 30 of 39
	CHECKLIS EMERGENCY COORJ TSC ACTIVA	DINATOR	
NIT	IAL RESPONSE		TIME/INITIALS
1.	Receive notification from the onshift H nator and report to the TSC. Upon arrithe TSC staffing Board.	Emergency Coordi- ival, sign in on	/
2.	Receive a briefing from the onshift Eme and assume responsibilities.	ergency Coordinator	/
3.	Brief TSC and staff and evaluate adequa activation.	acy of TSC	/
	Declare the TSC operational and inform the STSC, Control Rooms, OSC, EOF, ANPP Site Construction Office, Bechtel Emergency Control Center and PVNGS Security via site wide P.A. announcement. This notification may be delegated to the Information Monitor in the TSC.		/
5.	As necessary, continue with or commence notification process per Appendix F or direct the STSC Communicator to do so.		/
6.	Verify personnel resources in standby i	n the OSC.	/
UBSE	QUENT RESPONSE		
	Reevaluate the emergency classification change per EPIP-02 "Emergency Classific reclassify as necessary.	as conditions ation,"	/
3. 1	As necessary, direcxt implementation of Fighting" and EPIP-22, "Personnel Injury	EPIP-23, "Fire y."	/
	 For a fire, dispatch Fire Team and ity Director to contact the Bechte offsite fire department for assistant 	1 or alternate	/
. ((2) For personnel injury, contact the I and inform them of the situation. Aid Team, if necessary, and coordin offsite assistance.	Disnatch a First	
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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX İ Page 7 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 31 of 39
	CHECKLIST EMERGENCY COORDIN TSC ACTIVATEI		
			TIME/INITIALS
9.	Determine additional protective action re be provided to state and county response EPIP-15, "Protective Action Guidelines."	acommendations to agencies per	/
10.	As appropriate, complete Follow-up Emerge	ency Message Form.	/
11.	communicator to call location(e) in FPTP-	Determine the need for offsite support and direct a Communicator to call location(s) in EPIP-33, "Offsite Assistance," arrange access with the Security	
	Personnel Assembly and Acc	ountability	
12.	Within 30 minutes of the acccountability a report on accountability in the protect Security Director.	signal reasing	• /
13.	Receive a report on site accountability 1	ater.	/
14.	Be prepared to implement EPIP-21, "Search by providing necessary data to the OSC Co Emergency Maintenance Coordinator).	and Rescue," ordinator (via	/
	Emergency Exposures and KI		
15.	Per EPIP-18, "Emergency Exposure Guidelines," and as necessary, authorize emergency exposures.		
16.	As necessary, authorize administration of EPIP-26 to emergency workers desiring to Consult with the Radiological Protection (nea it	/
	OSC Activation		
17.	If a release is occurring, consult EPIP-1: "Operations Support Center Activation," to habitability of the primary OSC.	2, o determine	/
18.	If uninhabitable, direct the OSC Coordinat staff and equipment/supplies to the altern (Service Building). If this is also uninh direct the OSC Coordinator to relocate to	nate OSC nabitable,	
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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 8 of 13
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	INFLEMENTING ACTIONS .	8	Page 32 of 39
	SITE AREA	KLIST EMERGENCY FIVATED	
			TIME/INITIALS
	EOF Activation		
19.	Per EPIP-13, "Emergency Operations brief the Emergency Operations Dire responsibilities for notifications recommendations.	ector and transfer the	
	Security		
20	As necessary, implement EPIP-24, "S the Security Director to limit acce contact Maricopa County Sheriff's (in controlling site access, and arr necessary personnel not on the Emer List and/or not having access to th card-key system.	ess to the station, Office for assistance range access for rgency Personnel Access	/
21.	Ensure the Security Director is app assistance requests to arrange acce	praised of cffsite	/
	Corrective Actions		
22.	Determine needs, consult with staff per EPIP-25, "Reentry for Emergency	f, authorize reentry y Operations."	/
	Assessment Actions		
23.	Ensure that the Radiological Protect obtaining needed data using EPIP-14 Determination," EPIP-14B, "Initial "Inplant Surveys and Sampling" and Offsite Surveys and Sampling."	A, "Release Rate Dose Assessment", EPIP-	/ •16,
	Protective Actions		
24.	Continue to evaluate the need for p protective action recommendations.	providing any additional	/
25.	Determine the need for early dismis non-essentials per EPIP-19, "Onsite	ssal/evacuation of	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I. Page 9 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 33 of 39
	CHECKLIST SITE AREA EMERG TSC ACTIVATE		
			TIME/INITIALS
26.	Establish evacuation order, offsite reas evacuation route and inform the Security	ssembly area, 7 Director.	
27.	Order evacuation signal when the Securit that preparations are complete.	ty Director reports	
	Recovery		
28.	After the EOF is activated, consult with Operations director concerning implement "Recovery."	the Emergency ing EPIP-31,	/
	Event Termination or Redu	lction	
29.	Contact PVNGS Compliance at ext. for to provide within 8 hours to offsite authorities. documentation as requested.	written summary	
	Performed BySi	chatura	Date
	Si	gnature	

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 10 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 34 of 39
	CHECKLIS EMERGENCY COOR TSC and EOF AC	DINATOR	
NIT	IAL RESPONSE		TIME/INITIALS
1.	Receive notification from the <u>onshift</u> I nator and report to TSC. Upon arrival TSC Staffing Board.	Emergency Coordi- , sign in on the	/
2.	Receive a briefing from the <u>onshift</u> Eme and assume responsibilities.	ergency Coordinator	/
3.	Brief TSC staff and evaluate adequacy of	of TSC activation.	/
4.	Declare the TSC operational and inform the STSC, Control Rooms, OSC, EOF, ANPP Site Construction Office, Bechtel Emergency Control Center and PVNGS Security via site wide P.A. announcement. This notification may be delegated to the Information Monitor in the TIC.		/
5. Per EPIP-13, "Emergency Operations Facility Activation," brief the Emergency Operations Director and transfer the responsibilities for notifications and protective action recommendations.			
6.	Verify personnel resources are on standby in the OSC.		/
UBSE	QUENT RESPONSE		
7.	Reevaluate the emergency as conditions "Emergency Classification," reclassify	change per EPIP-02 as necessary.	/
 As necessary, direct implementation of EPIP-23, "Fire Fighting" and EPIP-22, "Personnel Injury." 			
	 For a fire, dispatch Fire Team and Director to contact the Bechtel or fire department for assistance (if 	alternate offsite	/
	(2) For personnel injury, contact the and inform them of the situation. Aid Team, if necessary, and coordin offsite assistance.	Dispatch a First	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 11 of 13
	SITE AREA EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 35 of 39
	CHECKLIS EMERGENCY COOR TSC and EOF AC	DINATOR	
9.	Determine the need for offsite support Communicator to call location(s) in EP Assistance" and arrange access with th per EPIP-24, "Security," and coordinate Administrative and Logistics Coordinate	IP-33, "Offsite e Security Director	TIME/INITIALS
	Personnel Assembly and	Accountability	
10.	Within 30 minutes of the accountability a report on accountability in the prote the Security Director.	y signal, receive ected area from	/
11.	Receive a report on site accountability	y later.	/
12.	Be prepared to implement EPIP-21, "Sear by providing necessary data to the OSC Emergency Maintenance Coordinator).	rch and Rescue," Coordinator (via	/
	Emergency Exposures and	KI	
13.	Per EPIP-18, "Emergency Exposure Guidel necessary, authorize emergency exposure	lines," and as as.	/
14.	As necessary, authorize administration to emergency workers desiring to use it with the Radiological Protection Coordi	Consult	/
	OSC Activation	n mpharin i 9 Britishari Angeogorere Der Mahaed	
15.	If a release is occurring, consult EPIP "Operations Support Center Activation," habitability of the primary OSC.	-12, to determine	/
16.	If uninhabitable, direct the OSC Coordistaff and equipment/supplies to the alt Building). If this is also uninhabitab Coordinator to relocate to a protected STSC, TSC or EOF).	ernate OSC (Service	/

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	CHECKLIST EMERGENCY COORD: TSC and EOF ACT:	INATOR	
	Security		TIME/INITIALS
17.	As necessary, implement EPIP-24, "Secur: the Security Director to limit access to contact Maricopa County Sheriff's Office in controlling site access, and arrange sary personnel not on the Emergency Pers and/or not having access to the protecto card-key system.	o the station, e for assistance access for neces- sonnel Access list	
18.	Ensure the Security Director is appraise assistance requests to arrange access.	ed of offsite	/
	Corrective Actions		
19.	Determine needs, consult with staff, au per EPIP-25, "Reentry for Emergency Ope:	thorize reentry rations."	/
	Assessment Actions		
20.	Ensure that the Radiological Protection obtaining needed data using EPIP-14A, "In Determination," EPIP-14B, "Initial Dose "Inplant Surveys and Sampling" and EPIP- Offsite Surveys and Sampling."	Release Rate assessment." EPIP-1	.6,
	Protective Actions		
21.	Determine the need for early dismissal/ non-essentials per EPIP-19, "Onsite Eave	evacuation of cuation."	/
22.	Establish evacuation order, offsite reas evacuation route and inform the Security	ssembly area, y Director.	<u> </u>
23.	Order evacuation signal when the Securit reports that preparations are complete.	ty Director	/
	Recovery		
24.	Consult with the Emergency Operations D. implementing EPIP-31, "Recovery."	irector concerning	/

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-05	APPENDIX I Page 13 of 13
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Event Termination or Reduction

25. Contact PVNGS Compliance at ext. For beeper within 8 hours to offsite authorities. Provide documentation as requested.

Performed By _

Signature

Date

2.

		RGENCY PLAN	PROCEDURE NO. EPIP-05	APPENDIX J Page 1 of 2
		EMERGENCY ING ACTIONS	REVISION 8	Page 38 of 39
		STSC COMMUNICATO	R CHECKLIST	
POSIT	TION FILLED BY:			
		Nuclear Operat	tor from affected u	nit
FESPO	DNSIBILITY:	onshift Emergency (ication process as Coordinator. Ensur ipment. Maintain c	e operability of
IMMEI	DIATE ACTIONS			TIME/INITIAL
		STSC Activation		
1.	Report to the S'	TSC upon notification.		/
	No	tification of ALERT, SI GENERAL EMER		
2.	Complete the In: by the <u>Onshift</u> I Supervisor.	itial Emergency Message Emergency Coordinator o	e Form as directed or Shift	/
3.	Initiate notific Emergency Coord absence).	cation process as direc inator (or Shift Superv	tted by the visor in his	/
4.	Inform the Emer; notifications an	gency Coordinator when re complete.	initial	/
	Contact the Sect in additional pe Emergency Coord:	arity Director and info ersonnel if so directed inator.	orm him to call by the	/
6.	Prepare the Foll directed by the	low-up Emergency Messag Emergency Coordinator.	e Form as	/
*7.	Provide follow-u State/County age	up information when requires.	uested by the	/

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	PVNGS EMERGENCY PLAN	PROCEDURE NO.	APPENDIX J
	IMPLEMENTING PROCEDURE	EPIP-05	Page 2 of 2
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			TIME/INITIALS
	Notification of ALERT, SIT GENERAL EMERG	TE AREA EMERGENCY, GENCY	
*8.	Maintain records of communications rece transmitted offsite.	eived or	/
	Offsite Assistance		
9.	Contact required offsite assistance (EF Assistance", Appendix A) via telephone the Emergency Coordinator.	PIP-33, "Offsite if directed by	<u> </u>
10.	Record name and time on "Telephone Comm Sheet", (EPIP-33, Appendix B).	munication Log	/
11.	Transfer call to Emergency Coordinator if necessary.	for clarification,	<u> </u>
.2.	Inform the Emergency Coordinator of con contact, scope of offsite assistance an of arrival.	tact/lack of d estimated time	/
	TIME/INITIALS		
	ACTIVATION OF ONSITE EME	RGENCY ORGANIZATION	
3.	Transfer continuous communications link the NRC Liaison - Operations in the TSC	with the NRC to	/
4.	Review status of notifications and transfer responsibility for notifying State/County agencies and NRC to Government Liaison Engineer in the EOF.		/
5.	Notify the Emergency Coordinator when r have been transferred to the Government	esponsibilities Liaison Engineer.	/
	Performed by:	Signature	
	Date:		•
Con	CONTROLLED DO	CUMENT	a de la composición d

SSIGNED COPY. PROCEDURE CHAN	PAGE_ / c
VNGS <u># 8-9A</u>	TUTENT CHANGE
	INTENT CHANGE: NO YES
1. PROCEDURE TITLE General Emergency Implement	ing Actions
2. PROCEDURE NUMBER EPIP-06	REV. 8 PCN
2a.Manager concurrence M/A to exceed 5 PCNs	DATE
	/
3. REASON FOR PCN: To update Emergeory white	ion Call List.
4. EXPIRATION: Next Revision	
5. AFFECTED STEPS:	CHANGE REQUIRED:
- Appendix A	Delete Da; Insert 126
6. PREPARED BY:	ENTERED IN PROCEDURE BY
01 0	ENTERED IN PROCEDURE BY:
	ENTERED IN PROCEDURE BY:
Herella Armele 0/25/85 SIGNATURE DATE	
Herella Armele 0/25/85	SIGNATURE
Herella Armele 0/25/85 SIGNATURE DATE 7. TEMPORARY APPROVAL:	SIGNATURE
Herella Armele 0/25/85 SIGNATURE DATE 7. TEMPORARY APPROVAL: MA	SIGNATURE M/A SS/Assist. SS
Herella Annule 0/25/85 SIGNATURE DATE 7. TEMPORARY APPROVAL: MA SIGNATURE DATE 8. DEPT MNAGER! MARINA FOR D. C.YOWS 10/25/85	SIGNATURE
Hendla Annule 0/25/85 SIGNATURE DATE 7. TEMPORARY APPROVAL: MA SIGNATURE DATE 8. DEPT MNAGER!	SIGNATURE MA SS/Assist. SS

PALO VERDE NUCLEAR GENERATING STATION

PROCEDURE CHANGE NOTICE

	1	AGE / of
	INTENT CHA	NGE: NO YES
1. PROCEDURE TITLE General Energency Implement	has Alar	
2. PROCEDURE NUMBER EPIP-06	REV. 8	
2a.Manager concurrence N/A	DATE	PCN/
3. REASON FOR PCN: To update phone numbers & Appendix B.	ound in Appordix	A and
4. EXPIRATION: Next Renson		
5. AFFECTED STEPS:	CHANGE REQUIRED	
Appendix A	Doloke Prop 12;	
Appendix B	Delete Page 13;	
6. PREPARED BY:		
Hundla timiele gludes	ENTERED IN PROCE	DURE BY:
SIGNATURE DATE	SIGNATURE	DAT
7. TEMPORARY APPROVAL:	NIA	,
SIGNATURE DATE	SS/Assist. SS	DAT
8. DEPT. MANAGER: <u>X MUNSOS. C. JUSC</u> SIGNATURE DATE	9. PRB/PRG/TRRG	1 9/20/8 PAT
10.APPROVED BY:	AFRIT	9/20/85
11. DATE EFFECTIVE SIDE CO. 14. CC	WENT I	DAT

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	
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ASSIGNED COPY PVNGS : # 8-94

DEPT. HEAD U PRB/PRG/TRRG REVIEW DATE APPROVED BY DATE EFFECTIVE DATE 09-10-85 DN-1601A/0787A

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REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
5	2-14-85	A11	Total Revision: Revises
			procedures and appendices.
			Included Emergency Coord.
	+		checklist.
6	66-01-25	App. A & B	Revised to incorporate PCN
			#01 of Rev. 5. PCN
			corrected phone #'s in App.
			<u>A & B.</u>
7	04-17-55	3, 6, 7, 8, 9	Added termination message
		10, 11, 13,	form and instructions. Added
·		14, 17, 18,	event description to follow-
		19, 20, 22,	up form. Added note to
		25 & 29	provide guidance on
			notifications. Charged seq.
			of notifications in App. A.
			Capitalized announcement to
			make easy to identify.
			Updated all references to
-			appendices.
	V		

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Rev. No.	Date	Revised Pages		Comments
8	04-10-8-	4,6,8,9,0		
	1		6	The areas
		21, 12, 13, 20, 2		7, added a
		26, 27, 29, 30		ti, + 575C
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4.0 DETAILED PROCEDURE

4.1 Personnel Indoctrination/Responsibilities
4.2 Prerequisites
4.3 • Instructions

APPENDICES

Appendix	A	- Emergency Notification Call List - Emergency Coordinator/STSC Communicator	
		Cordinator/ 5150 Communicator	12
Appendix	B	- Emergency Notification Call List - PVNGS Security	13
Appendix	С	- Initial Emergency Message Form	14
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	EMERGENCY PLAN	PROCEDURE NO. EPIP-06	
CENEDAT ENG		REVISION	
GENERAL EME	RGENCY IMPLEMENTING ACTIONS	. 8	Page 5 of 3
			•
1.0 <u>OBJE</u>	CTIVE		
1.1 Th ta	is procedure provides a serie ken upon declaration of a GEN	es of implementing NERAL EMERGENCY.	actions to be
2.0 REFE	RENCES		
	plementing References		
2.1.1			
	EPIP-02, "Emergency Classif		
2.1.2	EPIP-11, "Technical Support		
2.1.3	EPIP-12, "Operations Suppor		
2.1.4	EPIP-13, "Emergency Operati		ation"
2.1.5	EPIP-14A, "Release Rate Det	ermination"	
2.1.6	EPIP-14B, "Initial Dose Ass	essment"	
2.1.7	EPIP-15, "Protective Action	Guidelines"	
2.1.8	EPIP-16, "Inplant Surveys a	nd Sampling"	
2.1.9	EPIP-17, "Onsite/Offsite Su	rveys and Sampling	"
2.1.10	EPIP-18, "Emergency Exposure	e Guidelines"	
2.1.11	EPIP-19, "Onsite Evacuation"	•	
2.1.12	EPIP-20, "Personnel Assembly	y and Accountabilit	y"
2.1.13	EPIP-21, "Search and Rescue"	•	
2.1.14	EPIP-22, "Personnel Injury"		
2.1.15	EPIP-23, "Fire Fighting"		
2.1.16	EPIP-24, "Security"		
	EPIP-25, "Reentry for Recove	ery Operations"	
		(KI) Administration	

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06		
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2.1.19 EPIP-31, "Recovery"			
2.1.20 EPIP-33, "Offsite Assistand 2.1.21 71AC-92Z01, "Event Related			
2.1.22 9N219.05.00, "Document/Reco		1"	ľ
2.2 Developmental References			
2.2.1 NUREG-0654, Rev. 1, "Criter of Radiological Emergency F Support of Nuclear Power Pl	lesponse Plans and	and Evaluation Preparedness in	
2.2.2 PVNGS Emergency Plan, Rev.	6		ľ
3.0 LIMITATIONS AND PRECAUTIONS			
3.1 Continued surveillance and asse necessary to ensure that the em appropriately revised as condit information is obtained.	ergency classifica	tion is	
3.2 Notifications to State/County a Notification Call List - Emerge shall commence within 15 minute	ncy Coordinator/ST	SC Communicator"	
4.0 DETAILED PROCEDURE			
4.1 Personnel Indoctrination			
4.1.1 In a GENERAL EMERGENCY, even occurred which involve actu degradation or melting with integrity. Radioactive rel	al or imminent subs potential for loss	stantial core s of containment	

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reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area. There is prompt notification of NRC and appropriate state and county authorities of the General Emergency status.

	EMERGENCY PLAN	PROCEDURE NO. EPIP-06	
		REVISION	
GENERAL EME	RGENCY IMPLEMENTING ACTIONS	8	Page 7 of 39
4.1.2	Accordingly, prompt consider actions, based on actual of Consideration of predeterm recommendations (in the ever product barriers) may also emergency centers are active initiated if appropriate. radiological/meteorological management organizations as status shall be maintained	r projected data, ined protective ac ent of potential 1 be warranted. On vated. Onsite eva The station shall 1 information to o s necessary. The until the event i	is warranted. tion oss of fission site and offsite cuation shall be provide updated ffsite emergency
4.1.3	The Shift Supervisor or the responsible for initiating	ce. Emergency Coordin	netor shall be
	actions of this procedure.		
4.2 Pre	requisites		
4.2.1	The emergency has been classification".	ssified per EPIP-0:	2, "Emergency
4.3 Ins	tructions		
4.3.1	The affected unit Shift Sup following:	pervisor shall per:	form the
1996년 - 문문	NOT	E	
	Designated Unaffected to assume the role of Coordinator in the <u>Ons</u> Organization are:	the Emergency	isor
	Affected Unit Unaff Unit 1 Unit 2 Unit 3 Entire Site	ected Unit Shift S Unit 2 Unit 1 Unit 2 Unit 2 Unit 1	Supervisor
4.3.1	.1 Notify the Shift Superv unit (or Shift Supervis report to the Control R assume the duties of th	or of an unaffecte oom of the affecte	d unit) to d unit and
4.3.1			

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	
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NOTE

Initial notifications shall be made from the Satellite TSC by the Satellite TSC Communicator until activation of the EOF. At that time all subsequent initial and follow up notifications shall be made by the Government Liaison Engineer in the EOF.

NOTE

If the emergency situation is terminated before initial notifications are finished, complete the notifications per Appendix A. Then repeat Appendix A with the notification of termination. If the emergency is terminated before initial notifications can be started, provide both initiating and terminating messages in the same call.

NOTE

Protective action recommendations (Appendix H) are based on plant and containment conditions and these recommendations are made to offsite officials even when no release is in progress.

- 4.3.1.3 Direct the Satellite TSC Communicator (or Government Liaison Engineer) to fill out Appendix C, "Initial Emergency Message Form", in accordance with instructions provided in Appendix F.
- 4.3.1.4 Sound the accountability signal for approximately one minute.

4.3.1.5 Silence the signal and provide the following announcement over the plant wide telephone page (phone no. (This may be delegated.)

41~10

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	RGENCY PLAN	PROCEDURE NO. EPIP-06	
		REVISION	
GENERAL EMERGENO	Y IMPLEMENTING ACTIONS	8	Page 9 of 39
	"ATTENTION ALL PLANT CLASSIFIED AS A <u>GENER</u> UNIT ASSEMBLY PROGRESS. ALL AFFECT AND ALTERNATES REPORT OTHER PERSONNEL REPOR (Provide instructions appropriate).	AL EMERGENCY EXIS AND ACCOUNTABILI ED UNIT EMERGENCY TO YOUR EMERGENC T TO YOUR ASSIGNE	TS IN TY ARE NOW IN RESPONSE PERSONNE Y LOCATION. ALL D ASSEMBLY AREA"
4.3.1.6	Repeat the announcement , arning Siren/Public Ad	in Step 4.3.1.5 dress System.	over the Site
4.3.1.7	Resound the accountabil announcement.	ity signal and rep	peat the
4.3.1.8	Ensure that actions of the casualty procedures have	the appropriate re e been implemented	covery or i.
	Emergency Coordinator sh		
4.3.2.1		satellite TSC (-	accordance with
4.3.2.2	Following accountability initiate EPIP-19, "Onsit	7, and if condition to the condition of	ons warrant,
4.3.2.3	Implement additional Eme Procedures according to the emergency being class	the situation that	t resulted in
4.3.2.4	Direct the Security Dire Offsite Emergency Organi appropriate computer cal	Zation personnel	nsite and by utilizing the
4.3.2.5	Direct the STSC Communic Engineer) to prepare App Message Form" in accorda Appendix F.	andiy D "Tallana	tame Warman and a state
	Determine the need for o is necessary, direct the Administrative and Logis required agency per EPIP	STSC Communicato	r (onshift) or
4.3.2.7	Reevaluate the emergency licensee actions as cond procedure EPIP-02.	classification a	nd parform

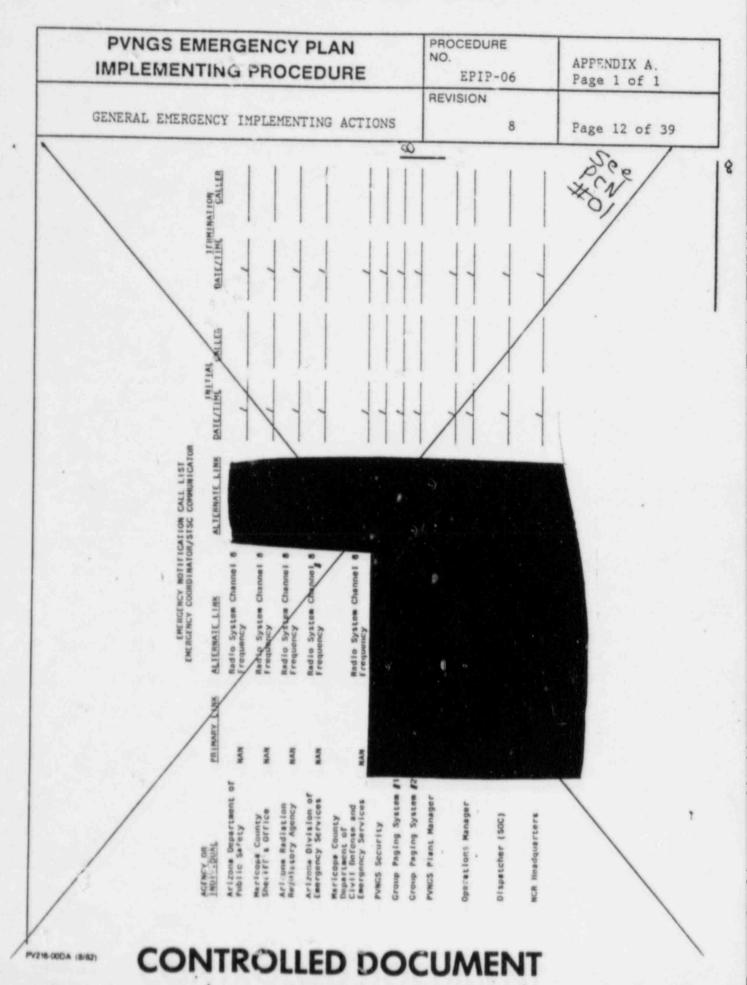
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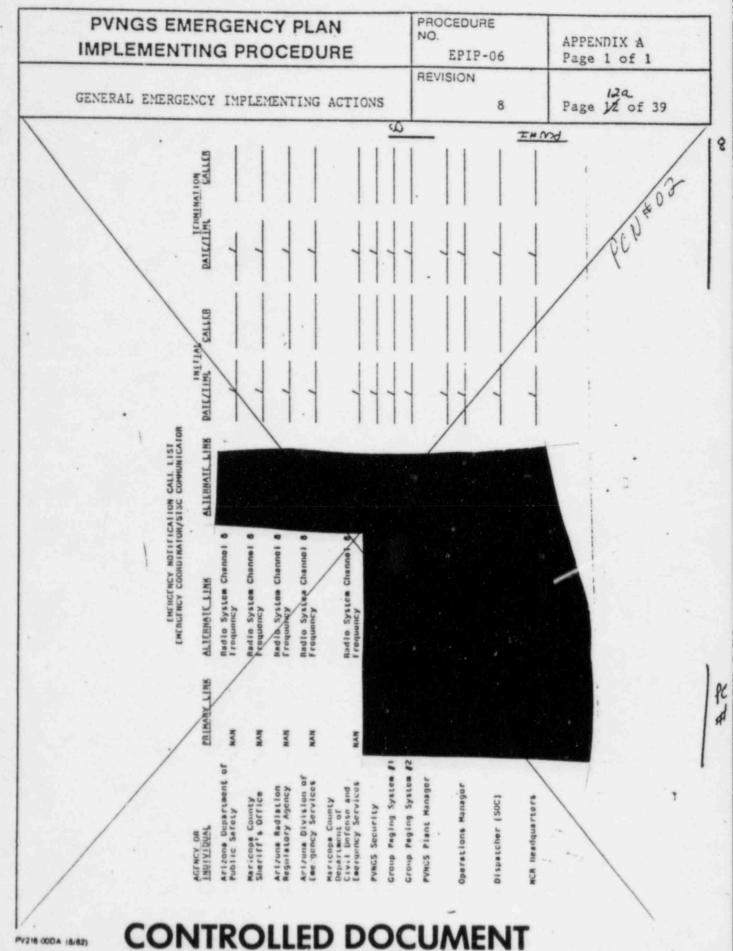
PVNGS EMERGENC IMPLEMENTING PRO		PROCEDURE NO. EPIP-06	
		REVISION	
GENERAL EMERGENCY IMPLEM	ENTING ACTIONS	8	Page 10 of 39
EMERGEN notificato to anno	CY, proceed to ation procedure unce the downgr	rants downgrading appropriate implements and direct the SP ading over the public other Control Rooms	enting and lift Supervisor lic address
4.3.2.9 The Emer Appendix	rgency Cdordina x I.	tor shall complete	checklist,
Coordinator in progress complete App	or STSC Commun or has occurred pendix B, "Emer; ity," and notif:	g notified by the H icator that a Gener d, or has been term gency Notification y these individuals	cal Emergency is binated, shall Call List -
4.3.4 Operations S	Support Center	(OSC) Activation	
4.3.4.1 The OSC Support	Coordinator sha Center Activat:	all implement EPIP- ioa".	12, "Operations
4.3.5 Emergency Op	perations Facil:	ity (EOF) Activatio	n
4.3.5.1 The Emer procedur Activati	re EPIP-13, "Eme	ns Director shall i argency Operations	mplement Facility
4.3.6 Emergency Si	tuation Termina	sted	the shales
sound th minute,	silence the sig	or Emergency Coordination of the second seco	ately (1) he following
SIT	TENTION ALL PER UATION DECLARED BEEN TERMINATE tructions as ne	D IN UNIT HAS D. (Provide speci	
4.3.6.2 Repeat t Warning	he announcement Siren/Public Ad	in Step 4.3.6.1 o dress System.	ver the Site 7
4.3.6.3 Repeat s	ignal and annou	incement once.	
Engineer) to fill out A	cator (or Governme ppendix E, "Emerge ructions provided	ney Termination

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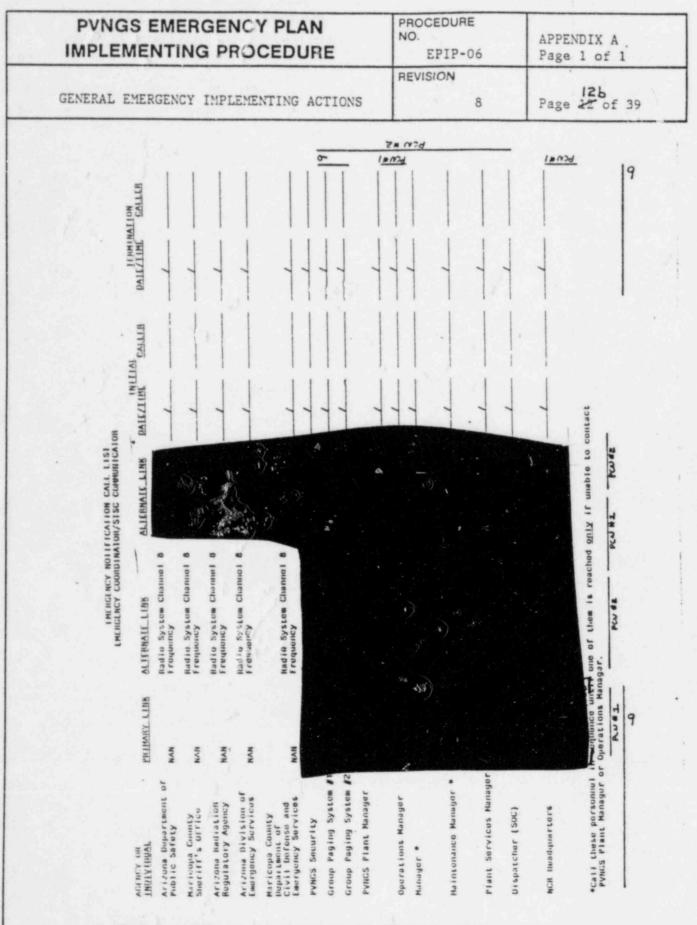
	GENCY PLAN G PROCEDURE	PROCEDURE NO. EPIP-06	
GENERAL EMERGENCY	IMPLEMENTING ACTIONS	REVISION 8	Page 11 of 39
4.3.6.6	Direct the STSC Communic Engineer) to transmit th At close out or reduction classification, the S.S Compliance Dept. at ext	on of the GENERAL /E.C. shall noti	r Appendix A. EMERGENCY fy PVNGS no.
	to offsite authorities to shall provide shift log: requested by Compliance	within eight (8) is, control room le	hours. S.S./E.C. ogs, etc. as
4.3.7 Reco	rd Retention		
	Appendices A, B, C, D, 1		

Appendices A, B, C, D, E, I and J shall be turned over t the Emergency Planning Dept., mail station 6010 to ensur they are forwarded to DDC for proper storage in accordance with 9N219.05.00, "Document/Retord Turnover Control".

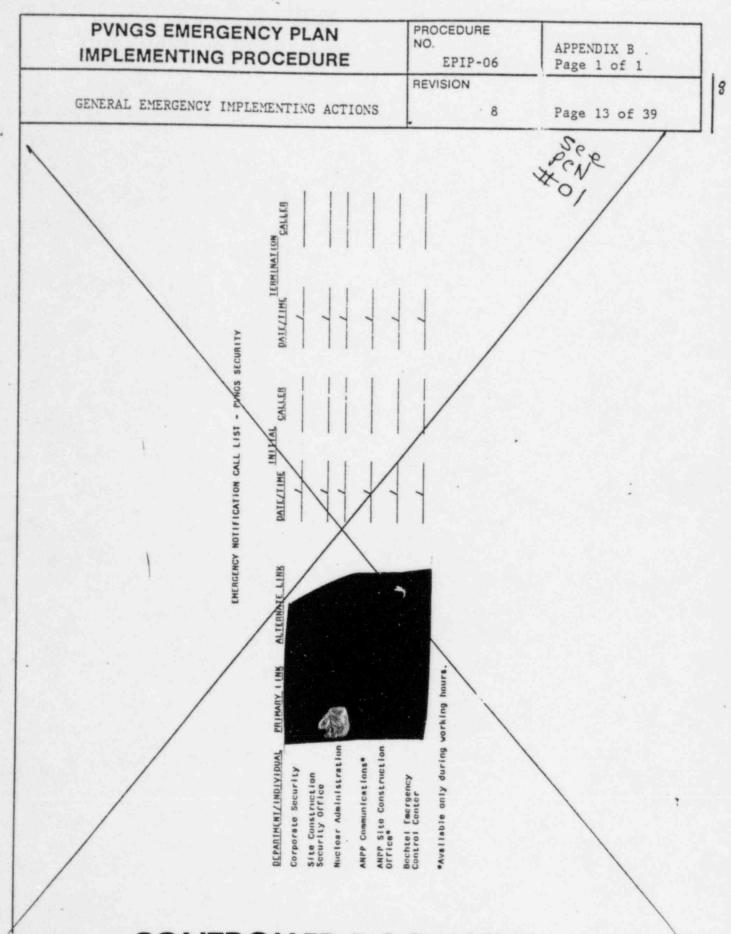




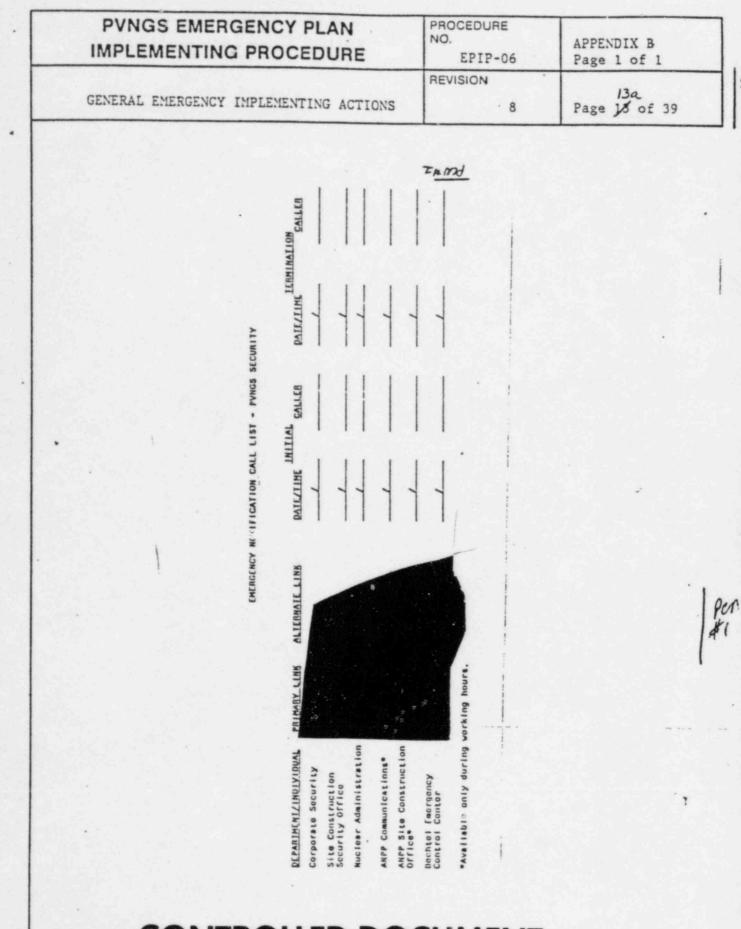
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1	FVI	IGS EMERGENCY PLAN	PROCEDURE	
IMPLEMENTING PROCEDURE		EMENTING PROCEDURE	EPIP-06	APPENDIX C
-			REVISION	Page 1 of 1
G	ENEDA	I EVEDOLVOV TUDI DUCUMINA LATIONS		Sector States
6	LINERA	L EMERGENCY IMPLEMENTING ACTIONS	8	Page 14 of 39
		INITIAL EMERGENCY MESS NOTIFICATION OF UNUSU. ALERT, SITE AREA EMERGENCY, OR	AL EVENT.	Y
	Ŭ	erbatim text of Message: THIS IS (HIS IS PALO VERDE NUCLEAR GENERATING NUSUAL EVENT) (ALERT) (SITE AREA EMI (circle appropriate cla	G STATION (NOTIFI ERGENCY) (GENERAL	CATION OF
lec	lared	at Wind is from (date)	degrees -	Atmph. (speed)
	PALO	VERDE AUTHENTICATOR		
	This		tor letters)	2.1.1.2
		ion (name/title), at the	Palo Verde Nucle	ar Generating
	(Cir	cle One)		
	(a)	There is <u>NO</u> , repeat <u>NO</u> , radioactive special protective actions are reco	e release taking commended at this	place and no time.
	(b)	There is <u>NO</u> , repeat <u>NO</u> , radioactive allowable operating limits and <u>NO</u> p recommendations at this time.	e release in exce protective action	ss of
	(c)	OR There is <u>NO</u> , repeat <u>NO</u> , radioactive	e release taking ;	place at this
		time. However, the following prote Sectors	Distance (M	e recommended.
		time. However, the following prote	Distance (M	e recommended.
		time. However, the following prote	Distance (M	e recommended.
		time. However, the following prote	Distance (M	e recommended. iles) We recommend
		A radioactive release <u>IS</u> , repeat <u>IS</u> that people in affected sectors rem	Distance (M	We recommended. We recommend windows and
		A radioactive release <u>IS</u> , repeat <u>IS</u> doors closed.	Distance (M	We recommended. We recommend windows and
		A radioactive release <u>IS</u> , repeat <u>IS</u> doors closed.	Distance (M	We recommended. We recommend windows and
		A radioactive release <u>IS</u> , repeat <u>IS</u> doors closed. Sectors	Distance (M	We recommended. We recommend windows and
	(d)	A radioactive release <u>IS</u> , repeat <u>IS</u> doors closed.	Distance (M 	e recommended. iles) We recommend windows and iles)
	(d)	A radioactive release <u>IS</u> , repeat <u>IS</u> Sectors OR A radioactive release <u>IS</u> , repeat <u>IS</u> that people in affected sectors rendoors closed. Sectors OR A radioactive release IS, repeat IS	Distance (M b, taking place. Distance (M b, taking place. be considered.	We recommended. We recommend windows and iles) We recommend
	(d)	CR A radioactive release <u>IS</u> , repeat <u>IS</u> bectors doors closed. A radioactive release <u>IS</u> , repeat <u>IS</u> CR A radioactive release <u>IS</u> , repeat <u>IS</u> that evacuation of affected sectors	Distance (M 	We recommended. We recommend windows and iles) We recommend
	(d)	CR A radioactive release <u>IS</u> , repeat <u>IS</u> bectors doors closed. A radioactive release <u>IS</u> , repeat <u>IS</u> CR A radioactive release <u>IS</u> , repeat <u>IS</u> that evacuation of affected sectors	Distance (M b, taking place. Distance (M b, taking place. be considered.	We recommended. We recommend windows and iles) We recommend
	(d) (e)	CR A radioactive release <u>IS</u> , repeat <u>IS</u> bectors doors closed. A radioactive release <u>IS</u> , repeat <u>IS</u> CR A radioactive release <u>IS</u> , repeat <u>IS</u> that evacuation of affected sectors	Distance (M b, taking place. Distance (M b, taking place. be considered.	We recommended. We recommend windows and iles) We recommend

	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX D Page 1 of 3
fright state		REVISION	
GE	NERAL EMERGENCY IMPLEMENTING ACT	IONS 8	Page 15 of 39
	FOLLOW-UP EMERG	GENCY MESSAGE FORM	
1	. Verbatim text of Message: THI THIS IS A PALO VERDE NUCLEAR (message concerning the (NOTIF) AREA EMERGENCY) (GENERAL EMERG (circle approp declared at	EENERATING STATION foll CATION OF UNUSUAL EVEN EENCY) priate classification)	ow-up information
	(time) (da		
2		at Palo Verde Nuclear	Generating Statio
3	. Brief description of the event		
			22-24
	. Meteorological Data		
4		(1)	
4	(direc:		miles per hour eed)
4	(direc:	10a) (sp	miles per hour eed)
4	(direct from to (sector) (s b. Stability Class: A B C D	ector)	miles per hour eed)
4	(direct from to (sector) (s b. Stability Class: A B C D	ector) E F G e One) - No	miles per hour eed)
	(direct from to b. Stability Class: A B C D (Circl c. Precipitation Yes	ector) E F G e One) - No	miles per hour eed)
	(direct from to (sector) to b. Stability Class: A B C D (Circl c. Precipitation Yes (Circle	ector) E F G e One) - No	miles per hour eed)

- K	PUNGS EMERGENCY PLAN PLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX D' Page 2 of 3
GEN	ERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 16 of 39
14		1	
5.	b. Release Time		
	c. Reactor Trip Time		
	d. Location/Source of Release		
6.	Current Release Rates		
	a. I-131 Equivalent C	i/second	
	b. Noble Gas C c. Particulates C	i/second i/second	
7.	Two-hour plume centerline projected		
	Distance Sector Whole Body		
	Dose (REM)	Dose Commitment (REM)	
		(1011)	
	Site	•	
	Boundary		
	2 miles		
•	5 miles		
	10 miles		
8.	Plume arrival time offsite:		
	2 mi		
	5 mi 10 mi		
	Ruth Fisher School Arlington School		
9.	Estimated duration of release	minute	s
	CONTROLLED DO	and the second	

IMPLEMENTING	PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX D Page 3 of 3
CENERAL ENERGENER		REVISION	
GENERAL EMERGENCY	IMPLEMENTING ACTIONS	8	Page 17 of 3
			697 Q. Q. Q.
10. The Following Recommended:	Emergency Measures 1	including Protectiv	e Actions are
11. The Following	Emergency Reponse Ac	tions are Underway	
		and are onderway	
12. We Request the Sources:	e Following Onsite Su	pport and Assistan	ce from Offsite
13. Our Prognosis	of the Emergency is	that Conditions:	
0			
Are Under O	Control		
Are Under C	cted to Terminate Wi	thinhours	
Are Under C Can Be Expe	ected to Terminate Wi ng	thinhours	
Are Under C	ected to Terminate Wi ng	thinhours	
Are Under C Can Be Expe	ected to Terminate Wi ng	thinhours	
Are Under C Can Be Expe	ected to Terminate Wi ng	thinhours	
Are Under C Can Be Expe	ected to Terminate Wi ng	thinhours	
Are Under C Can Be Expe Are Worseni 14. Other Informat	cted to Terminate Wi		
Are Under C Can Be Expe Are Worseni 14. Other Informat	ected to Terminate Wi ng		
Are Under C Can Be Expe Are Worseni 14. Other Informat	cted to Terminate Wi		
Are Under C Can Be Expe Are Worseni 14. Other Informat	cted to Terminate Wi		

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX E Page 1 of 1
	REVISION	
GENERAL EMERGENCY IMPLEMENTING ACTIONS	8	Page 18 of 39
EMERGENCY TERMINATION	MESSAGE FORM	
 Verbatim text of message: THIS IS THIS IS PALO VERDE NUCLEAR GENERAT: UNUSUAL EVENT) (ALERT) (SITE AREA I (circle approprite classification) AT	(IS NOT) A DRILL! ING STATION. THE EMERGENCY) (GENERA	(NOTIFICATION OF L EMERGENCY)
(Time) (Date)	<u> </u>	
2. This is		, at Palo
(Name)	(Date)	_, at raio
Verde Nuclear Generating Station		
0 DITO 10000		
3. PALO VERDE AUTHENTICATOR		
3. PALO VERDE AUTHENTICATOR(A	Authenticator Lett	ers)
	Authenticator Lett	ers)
A) .	Authenticator Lett	ers)
	Authenticator Lett	
(A Approved:		

Contraction of the second s	GS EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX F Page 1 of 3
- Company - Maria		REVISION	rage 1 OI 3
GENERAL	EMERGENCY IMPLEMENTING ACTIONS	8	Page 19 of 39
	INSTRUCTIONS FOR COMPLETING	APPENDIX C, D OR	E
1.0	INITIAL EMERGENCY MESSAGE FORM (A	PPENDIX C)	
	Fill in data required by steps Emergency Message form". Obtain confidential envelope marked on month and drill sequence number	1 and 2 of Append n authenticator f the outside with	rom the
1.2	Obtain from the Radiation Prote Radiological Assessment Coordin required to complete step 3 of 4	ator (if EOF is a	shift) or ctivated) data
1.3	Circle appropriate wording of st	tep 4 of Appendix	Δ.
	NOTE		
	appears that all the receiv line, or, the ring has stor originating station shall i in the order listed below. of day.)	pped, the PVNGS	11
	NOTE		
	If the NAN dedicated teleph Appendix G, "Notification A Radio Backup", for instruct channel 8, KON-511, for not	Alert Network (NAN tions on using	to N)
1.4	By means of a single call on the dedicated telephone, contact the listed in Appendix A.	e Notification and e following State/	Alert Net County agencies
	Duty Hours (8:00 a.m. to 5:00 p.	m. Monday-Friday)	
	Maricopa County Sheriff's Office Maricopa County Department of Ci Arizona Department of Public Saf Arizona Division of Emergency Se Arizona Padiation Paralette	vil Defense and E ety ervices	mergency Service
	Arizona Radiation Regulatory Age	ency	

	S EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX F Page 2 of 3
GENERAL	EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 20 of 39
	Off-Duty Hours (5:00 p.m. to 8: Saturday, Sunda	00 a.g., Honday-F y and holidays)	1
	Maricopa County Sheriff's Offic Department of Public Safety	e	
1.5	In the event that an offsite go not answer the NAN phone or NAN or actual emergency, the Nuclear shall notify the agency via regu in Appendix A).	backup radio dur r Operator (or ST	ing a test, drill
1.6	When contact is made, the calles request that the individuals obt Emergency Message Form.	r shall identify h tain a copy of the	himself and Appropriate
1.7	When each individual has obtain Emergency Message Form verbatim verbatim. Perform warning point	and request MCSO	he completed to read back
1.8	Offer to repeat information and	reiterate as nece	essary.
	NOTE		
	To verify the group page ac pager installed in the STSC much as two (2) minutes may dial-up and the broadcast a	. Be aware that lapse between	r the as
1.9	Notify additional personnel as 1 and inform them of the situation for both Group Paging Systems No	. Provide the fo	llowing message
	"THIS IS PVNGS, UNIT, PLEASE RESPOND APPROPRIATED once).	CLASSIFICATION TW Y." (Repeat mess	NO, sage
1.10	If an individual requests inform Emergency Message Form, make rea give the information only after been made.	sonable efforts t	o obtain and
1.11	Contact the NRC via the Emergence dedicated telephone within 60 mi If the ENS fails, use commercial alternate line.	nutes of declarin	g an emergency.
		이 영혼 가슴을	

a de la companya de la company	GS EMERGENCY PLAN MENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX F Page 3 of 3
GENERAL	EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 21 of 39
	When contact is made, the calle the completed Emergency Message Verde Authenticator). Offer to repeat information and	e Form verbatim (o	mit the Palo
2.0	FOLLOW-UP EMERGENCY MESSAGE FORM	(APPENDIX D)	
2.1			, "Follow-up
	NOTE		
	. If the emergency is non-ra steps 4-9 may be deleted.	diological in nat	ure,
2.2	Obtain from the Radiation Prote Assessment Coordinator (If EOF complete steps 4-9.	ction Monitor or is activated) data	the Radiological a required to
2.3	Obtain from the Emergency Coord Coordinator (If EOF is activate 10-14.	inator or the Tech d) data required t	hnical Analysis to complete steps
2.4	Circle appropriate wording in s	tep 15.	
2.5	Dispense information when asked	by offsite agenc:	ies (NRC or ARRA).
3.0 <u>E</u>	MERGENCY TERMINATION MESSAGE FOR	M (APPENDIX E)	
3.1	Fill in data required by steps Termination Message Form".	1–3 at Appendix E,	, "Emergency
3.2	Obtain approval from SS/EC/EOD.		
3.3	Transmit termination per Append	ix A.	
	NOTE		
	To verify the group page as pager installed in the STS much as two (2) minutes may dial-up and the broadcast a	C. Be aware that v lapse between	the as
3.4	When using the Group Paging Syst termination, use the following m	tems to announce e	event

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COA

CANCEL RESPONSE TO EMERGENCY. "

CUMENTD. PLEASE

		S EMERGENCY PLAN	PROCEDURE NO. EPIP-06	APPENDIX G Page 1 of 2
GEN	ERAL E	MERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 22 of 39
		NOTIFICATION ALERT NETWORK Channel 8 - K	(NAN) RADIO BACKU CON511	P
		ilure of the NAN ringdown telep radio. FCC regulations require ecede and conclude all outgoing	the Dele Vende D	kup is Channel 8 esignator 'KON511
1.	5-1-	control of the radio channel b eat) "All stations this net, th 1 Palo Verde to all 5-1-1 stati call."	15 is K-0-N 5-1-1	Dala Vanda
. 2.	Wait radio	thirty seconds to allow the of os, then repeat the previous tr	fsite agencies to ansmission.	get to their
		NOTE		
		After 5 P.M. weekdays, all d holidays, Maricopa County Sh and Department of Public Saf only agencies responding.	eriff's Office (M	(022
3.	Init: stat:	iate roll call of the offsite go ions on the net to respond.	overnment agencies	s, allowing
	3.1	"5-1-1 Palo Verde to 5-1-1 Max Do you copy?" Allow Response: "5-1-1 MCSO of		riff's Office.
	3.2	"5-1-1 Palo Verde to 5-1-1 Man Defense & Emergency Services. Allow response: "5-1-1 Civil	Do you copy?"	Artment of Civil (MCDCD&ES)
	3.3	"5-1-1 Palo Verde to 5-1-1 Dep copy?" Allow response: "5-1-1 DPS co		: Safety. Do you
	3.4	"5-1-1 Palo Verde to 5-1-1 Ari Services. Do you copy?" Allow response: "5-1-1 ADES (Izona Division of	
	3.5	"5-1-1 Palo Verde to 5-1-1 Ari Agency. Do you copy?" Allow response: "5-11 ARRA co	zona Radiation Re	

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO. EPIP-06	APPENDIX G Page 2 of 2
GENE	RAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 22 of 39
	Upon completion of roll call, trans verbatum. Take acknowledgement rol message back in its entirety, and p as needed. Upon completion of the second roll Verde off." This is the required F	l call, allowing rovide assistance	MCSO to read the or clarification
		oo sign off.	

PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	NO.	EPIP-06	APPENDIX H Page 1 of 2
ENERAL EMERGENCY IMPLEMENTING ACTIONS	REVIS	8 8	Page 24 of 39
PROTECTIVE ACTION RI Classification Category	ECOMMEN	NDATIONS Protective Recommenda	
A General Emergency has been declared : (imminent/actual loss of physical control of the plant)	if:	Consider a precaution	a 2 mile mary evacuation.
large amounts of fission products are the containment atmosphere. The project	in ted	2 mile eva a 5 mile d	on to considering a acuation, consider downwind evacuation ally affected
containment failure leading to a direct atmospheric release is likely in the sequence but not imminent and large		2 mile 360 evacuation tionary 36 miles and	on to considering a of precautionary a, consider a precau- of evacuation to 5 a downwind evacuation as of potentially af- tors. *
large amounts of fission products other than noble gases in the containment atmosphere and containment failure is		2 mile 360 evacuation tionary 36 miles and to 10 mile fected sec shelter fo evacuation	n to considering a ° precautionary consider a precau- 0° evacuation to 5 a downwind evacuations s of potentially af- tors,* and consider r areas where cannot be before the transport
	Classification Category A General Emergency has been declared a (imminent/actual loss of physical control of the plant) A General Emergency has been declared a large amounts of fission products are a the containment atmosphere. The project dose using containment area monitor read is calculated to be: a' whole body > 5 rem b) thyroid > 25 rem b) thyroid > 25 rem A General Emergency has been declared at containment failure leading to a direct atmospheric release is likely in the sequence but not imminent and large amounts of fission products in addition to noble gases are in the containment atmosphere. The projected dose using containment area monitor readings is calculated to be: a) whole body > 5 rem b) thyroid > 25 rem b) thyroid > 25 rem	IMPLEMENTING PROCEDURE REVIS REVIS REVIS SENERAL EMERGENCY IMPLEMENTING ACTIONS REVIS PROTECTIVE ACTION RECOMMEND Classification Category A General Emergency has been declared if: (imminent/actual loss of physical control of the plant) A General Emergency has been declared and large amounts of fission products are in the containment atmosphere. The projected dose using containment area monitor readings is calculated to be: a' whole body > 5 rem b) thyroid > 25 rem A General Emergency has been declared and containment failure leading to a direct atmospheric release is likely in the sequence but not imminent and large amounts of fission products in addition to noble gases are in the containment atmosphere. The projected dose using containment area monitor readings is calculated to be: a) whole body > 5 rem b) thyroid > 25 rem A General Emergency has been declared and large amounts of fission products in addition to noble gases are in the containment atmosphere. The projected dose using containment area monitor readings is calculated to be: a) whole body > 5 rem b) thyroid > 25 rem A General Emergency has been declared and large amounts of fission products other than noble gases in the containment atmosphere and containment failure is judged imminent. The projected dose using containment area monitor readings is calculated to be:	MPLEMENTING PROCEDURE EPIP-06 REVISION REVISION ENERAL EMERGENCY IMPLEMENTING ACTIONS 8 PROTECTIVE ACTION RECOMMENDATIONS Classification Classification Protective Classification Protective Category Recommends A General Emergency has been declared if: Consider a precaution control of the plant) In additic A General Emergency has been declared and large amounts of fission products are in the containment atmosphere. The projected dose using containment area monitor readings is calculated to be: In addition a' whole body > 5 rem b) thyroid > 25 rem In addition A General Emergency has been declared and containment failure leading to a direct atmospheric release is likely in the sequence but not imminent and large amounts of fission products in addition to noble gases are in the containment area monitor readings is calculated to be: In additic a) whole body > 5 rem b) thyroid > 25 rem In additic b) thyroid > 25 rem In addition In addition A General Emergency has been declared and large amounts of fission products other In additio a) whole body > 5 rem b) thyroid > 25 rem In additio b) thyroid > 2

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX H Page 2 of 2
GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8 Page 25 of 39	
PROTECTIVE ACTION RECO Classification Category	OMMENDATIONS (CONT Protective Recommend	Actions
5. An actual release has occured and the projected does to individuals in the population is calculated to be: a) whole body ≥ 0.5 to < 1 rem b) thyroid ≥ 1.0 to < 5 rems	for 2 mil	d seeking shelter 360° les and in sectors out to 10
 6. An actual release has occured and the projected does to individuals in the population is calculated to be: a) whole body > 1 rem to < 5 rems b) thyroid > 5 rems to < 25 rems 	2 miles a sectors* Recommend	a 360° evacuation fo and in affected out to 10 miles. I seeking shelter to 10 miles.
 7. An actual release has occured and the projected does to individuals in the population is calculated to be: a) whole body > 5 rems b) thyroid > 25 rems 	5 miles a sectors* Recommend	a 360° evacuation fo nd in affected out to 10 miles. I seeking shelter to 10 miles.

* Plume width is equal to 3 sigma y (as a minimum, the downwind sector(s) and adjacent sectors).

IG PROCEDURE Y IMPLEMENTING ACTIONS CHECKLIST EMERGENCY COORD STSC ACTIVA 1) PVNGS Plant Manager 2) Manager, Technical S	DINATOR	Page 1 of 12 Page 26 of 39
CHECKLIST EMERGENCY COORD STSC ACTIVA 1) PVNGS Plant Manager 2) Manager, Technical S	8 DINATOR	Page 26 of 39
CHECKLIST EMERGENCY COORD STSC ACTIVA 1) PVNGS Plant Manager 2) Manager, Technical S	DINATOR	Page 26 of 39
EMERGENCY COORE STSC ACTIVA 1) PVNGS Plant Manager 2) Manager, Technical S	DINATOR	
2) Manager, Technical S		
2) Manager, Technical S		
) Shirt Supervisor	apport	
to immediately and unila including providing noti recommendations to Gover implementing offsite eme	fication and protect mmental authorities	mergency actions tive action responsible for provide for the
NOTE		
Pafer to the first		
per appropriate facili	wing pages ty activation	
STSC TSC	1 - 4 - 5 - 8	<u>ge</u>
TSC/EOF	9 - 12	
		TIME/INITIAL
tion from the Shift Sup com of affected unit.	ervisor and report	/
ovide same per steps 4.	3.1.5 and 4 3 1 6	/
tus, initiating event, assification with the Si	corrective actions hift Supervisor.	/
ion of onshift Emergency	y Coordinator.	/
ellite TSC per EPIP-11, atellite TSC Activation	"Technical	/
ation process per Append unicator to do so.	dix F or	/
offsite Emergency Organ:	ll in the PVNGS ization personnel	/
	3) Shift Supervisor The individual onsite withoring individual onsite without in the second and coordination in the second affected unit. Second affected unit. Second affected unit. Second of affected unit. Second	 3) Shift Supervisor The individual onsite with the responsibility to immediately and unilaterally initiate eminaliance of the including providing notification and protect recommendations to Governmental authorities implementing offsite emergency measures. For the control and coordination of onsite emergency measures. For the following pages per appropriate facility activation Sacility Activated Appendix I Pastra 1 - 4 TSC 5 - 8 TSC/EOF 9 - 12 Appendix I Pastra 1 - 4 STSC 5 - 8 TSC/EOF 9 - 12 Announcement or direct the Shift supervisor and report for the Shift Supervisor and report for a ffected unit. The P.A. announcement or direct the Shift supervisor. Announcement or direct the Shift supervisor. Antiating event, corrective actions assification with the Shift Supervisor. An of <u>onshift Emergency Coordinator</u>. Attent TSC per EPIP-11, "Technical atellite TSC Activation." ation process per Appendix F or unicator to do so. Security Director to call in the PVNGS offsite Emergency Organization personnel

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 2 of 12
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION	
		8	Page 27 of 39
	CHECKLIST EMERGENCY COORD STSC ACTIVA	INATOR	
SUBS	SEQUENT RESPONSE		TIME/INITIALS
7.	Provide plant wide public address announ the STSC is activated.	ncements where	/
8.	Verify personnel resources are on stand	by in the OSC.	
9.	Reevaluate the emergency classification change per EPIP-02, reclassify as necess	as conditions sary.	/
10.	As necessary, direct implementation of H Fighting" and EPIP-22, "Personnel Injury	EPIP-23, "Fire y."	
	(1) For a fire, dispatch Fire Team and ity Director to contact the Bechtel offsite fire dept. for assistance (l or alternate	/
	(2) For personnel injury, contact the H and inform them of the situation. Aid Team, if necessary, and coordin offsite assistance.	Dispatch a First	/
11.	Determine any additional protective acti to be provided to state and county respo EPIP-15, "Protective Action Guidelines."	onse agencies per	/
12.	As appropriate, complete Follow-up Emerg	gency Message Form.	/
13.	Determine need for offsite support and d Communicator to call location(s) in EPIP Assistance" and arrange access with the per EPIP-24, "Security."	-33. "Offsite	/
	Personnel Assembly and Ac	countability	
14.	Within 30 minutes of the accountability report on accountability in the protecte Security Director.	/	
15.	Receive a report on site accountability	later.	/
16.	Be prepared to implement EPIP-21, "Search by providing necessary data to the OSC C CONTROLLED DO	h and Rescue," Coordinator.	/

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 3 of 12
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 28 of 39
	CHECKLIST EMERGENCY COORI STSC ACTIVA	DINATOR	
	Emergency Exposures and	KI	TIME/INITIALS
17.	Per EPIP-18, "Emergency Exposure Guidel necessary, authorize emergency exposure	lines," and as as.	/
18.	As necessary, authorize administration "Potassium Iodide (KI) Administration" workers desiring to use it. Consult wi Protection Monitor.	to emergency	/
	• <u>TSC Activation and Trans</u>	fer of Authority	
19.	When relieved by the <u>onsite</u> Emergency C a briefing and transfer responsibilitie	Coordinator provide es.	/
	OSC Activation		
20.	If a release is occurring, consult EPIP "Operations Support Center Activation," habitability of primary OSC.	ort Center Activation," to determine	
21.	If uninhabitable, direct the OSC Coordistaff and equipment/supplies to the alt Building). If this is also uninhabitab Coordinator to relocate to a protected STSC, TSC or EOF).	ernate OSC (Service le, direct the OSC	/
	Security		
22.	As necessary, implement EPIP-24, "Secur the Security Director to limit access t contact Maricopa County Sheriff's Offic in controlling site access, and arrange sary personnel not on the Emergency Per and/or not having access to the protect card-key system.	o the station, e for assistance access for neces- sonnel Access List	
23.	Ensure the Security Director is apprais assistance requests to arrange access.	ed of offsite	/

24. Determine needs, consult with staff, authorize reentry per EPIP-25, "Reentry for Emergency Operations."

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 4 of 12
ЪÝ,	GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 29 of 39
	CHECKLIST EMERGENCY COORI STSC ACTIVA Assessment Actions	DINATOR	TIME/INITIALS
25.	Ensure that the Radiation Protection Mc obtaining needed data using EPIP-14A, " Determination," EPIP-14B, "Initial Dose EPIP-16, "Inplant Surveys and Sampling" "Onsite/Offsite Surveys and Sampling."	'Release Rate	/
	Protective Actions		
26.	Continue to evaluate the need for providing any additional /		
27.	Determine need for early dismissal/evacuation of /		
28.	Establish evacuation order, offsite rea evacuation route and inform the Securit	ssembly area, y Director.	/
29.	Order evacuation signal when the Securi reports that preparations are complete.	ty Director	/
	Event Termination or Red	uction	
30.	Contact PVNGS Compliance at Ext. to pro No. to pro summary within 8 hours to offsite autho Provide documentation as requested.	r beeper vide written rities.	/
	Performed ByS	ignature	Date
			,

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1.1.16	PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 5 of 12
GE	NERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 30 of 39
INITIA	CHECKLIST EMERGENCY COORD TSC ACTIVATI	INATOR	TIME/INITIALS
n	eceive notification from the <u>onshift</u> Er ator and report to the TSC. Upon arriv he TSC Staffing Board	mergency Coordi- val, sign in on	
2. R n	eceive a briefing from the <u>onshift</u> Emer ator and assume responsibilities.	rgency Coordi-	/
3. B	rief TSC staff and evaluate adequacy of	f TSC activation.	/
EP	eclare the TSC operational and inform to ooms, OSC, EOF, ANPP Site Construction mergency Control Center and PVNGS Secur .A. announcement. This notification mathe he Information Monitor in the TSC.	Office, Bechtel	/
p	s necessary continue with or commence r rocess per Appendix F <u>or</u> direct the STS o do sol	notification SC Communicator	/
6. V	erify personnel resources are on standb	by in the OSC.	
SUBSEQ	UENT RESPONSE		
C	eevaluate the emergency classification hange per EPIP-02 "Emergency Classifica s necessary.	as conditions ation," reclassify	/
8. A: F	s necessary, direct implementation of E ighting" and EPIP-22, "Personnel Injury	PIP-23, "Fire	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 6 of 12
	14 × 1	REVISION	
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	8	Page 31 of 39
	CHECKLIST EMERGENCY COORD TSC ACTIVAT	INATOR	
		19 19 1 1 1 1 1	TIME/INITIALS
	 For a fire, dispatch Fire Team and Director to contact the Bechtel or fire department for assistance (if 	alternate offsite	/
	 For personnel injury, contact the 1 and inform them of the situation. Aid Team, if necessary, and coordin offsite assistance. 	Dispatch a First	
9.	Determine any additional protective act to be provided to state and county resp EPIP-15, "Protective Action Guidelines."	ance according non	/
	As appropriate, complete Follow-up Emerg		/
11.	Determine the need for offsite support a Communicator to call location(s) in EPIN Assistance," arrange access with the Sec per EPIP-24, "Security".	P-33 "Offeito	
	Personnel Assembly and Ac	ccountability	
12.	Within 30 minutes of the accountability a report on accountability in the protec the Security Director.	signal, receive cted area from	/
13.	Receive a report on site accountability	later.	/
14.	Be prepared to implement EPIP-21, "Search by providing necessary data to the OSC of Emergency Maintenance Coordinator).	ch and Rescue," Coordinator (via	/
	Emergency Exposures and K	1	
15.	Per EPIP-18, "Emergency Exposure Guideli necessary, authorize emergency exposures	ines," and as	/

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 7 of 12
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 32 of 39
	CHECKLIST EMERGENCY COORD TSC ACTIVAT	INATOR	
16.	As necessary, authorize administration to emergency workers desiring to use it the Radiological Protection Coordinator	. Consult with	TIME/INITIALS
	OSC Activation		
17.	If a release is occurring, consult EPIP "Operations Support Center Activation," habitability of the primary OSC.	-12, to determine	/
18.	If uninhabitable, direct the OSC Coordi staff and equipment/supplies to the alt Building). If this is also unihabitabl Coordinator to relocate to a protected STSC, TSC or EOF).	ernate OSC (service e. direct the OSC	
	EOF Activation		
19.	Per EPIP-13, "Emergency Operations Faci brief the Emergency Operations Director responsibilities for notifications and recommendations.	and transfer the	/
	Security		
20.	As necessary, implement EPIP-24, "Secur the Security Director to limit access to contact Maricopa County Sheriff's Office in controlling site access, and arrange necessary personnel not on the Emergency List and/or not having access to the pro- card-key system.	o the station, e for assistance access for v Personnel Access	
21.	Ensure the Security Director is appraise assistance requests to arrange access.	ed of offsite	/
	Corrective Actions		
22.	Determine needs, consult with staff, aut per EPIP-25, "Reentry for Emergency Oper	thorize reentry rations."	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 8 of 12
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 33 of 39
	CHECKLIST EMERGENCY COORD TSC ACTIVAT	INATOR	
	Assessment Actions	1	TIME/INITIALS
23.	Ensure that the Radiological Protection obtaining needed data using EPIP-14A, " Determination," EPIP-14B, "Initial Dose EPIP-16, "Inplant Surveys and Sampling" "Onsite/Offsite Surveys and Sampling."	Release Rate	/
	Protective Actions		
24.	Continue to evaluate the need for provide protective action recommendations.	ding any additional	/
25.	Determine the need for early dismissal/ non-essentials per EPIP-19, "Onsite Eva	evacuation of cuation."	/
26.	Establish evacuation order, offsite reasevacuation route and inform the Security	ssembly area, y Director.	/
27	Order evacuation signal when the Securit that preparations are complete.	ty Director reports	/
	Recovery		
28.	After the EOF is activated, consult with Operations Director concerning implement "Recovery."	h the Emergency ting EPIP-31,	/
	Event Termination or Redu	uction	
	Contact PVNGS Compliance at Ext or no	r beeper vide written rities.	/
	Performed By Signa	ature	Date

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 9 of 12
		REVISION	
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	8	Page 34 of 39
	CHECKLIST EMERGENCY COORD TSC and EOF ACT	INATOR	
			TIME/INITIALS
INIT	TAL RESPONSE		
1.	Receive notification from the <u>onshift</u> E nator and report to TSC. Upon arrival, TSC Staffing Board.	mergency Coordi- sign in on the	/
2.	Receive a briefing from the <u>onshift</u> Eme and assume responsibilities.	rgency Coordinator	/
3.	Brief TSC staff and evaluate adequacy of TSC activation.		/
4.	Declare the TSC operational and inform the STSC, Control Rooms, OSC, EOF, ANPP Site Construction Office, Bechtel Emergency Control Center and PVNGS Security via site wide P.A. Announcement. This notification may be delegated to the Information Monitor in the TSC.		/
5.	Per EPIP-13, "Emergency Operations Faci- brief the Emergency Operations Director responsibilities for notifications and p recommendations.	and transfor the	/
6.	Verify personnel resources are on stand	by in the OSC.	/
UBSI	EQUENT RESPONSE		12.12.13
7.	Reevaluate the emergency as conditions of "Emergency Classification," reclassify a	change per EPIP-02, as necessary.	/
8.	As necessary, direct implementation of H Fighting" and EPIP-22, "Personnel Injury	EPIP-23, "Fi y."	/
	 For a fire, dispatch Fire Team and ity Director to contact the Bechtel offsite fire department for assista 	or alternate	/
	(2) For personnel injury, contact the F and inform them of the situation. Aid Team, if necessary, and coordin offiste assistance.	Dispatch a First	/

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 10 of 12
		REVISION	
	GENERAL EMERGENCY IMPLEMENTING ACTIONS	8	Page 35 of 39
	CHECKLIST EMERGENCY COORE TSC and EOF ACT	INATOR	
1			TIME/INITIALS
9	Determine the need for offsite support Communicator to call location(s) in EPI Assistance," arrange access with the Se EPIP-24, "Security," and coordinate wit and Logistics Coordinator at the EOF.	IP-33, "Offsite scurity Director p	ber
	Personnel Assembly and A	Accountability	
10.	Within 30 minutes of the accountability receive a report on accountability in the from the Security Director.		a <u>/</u>
11.	Receive a report on site accountability	ater.	/
12.	Be prepared to implement EPIP-21, "Sear by providing necessary data to the OSC Emergency Maintenance Coordinator).		/
	Emergency Exposures and	KI	
13.	Per EPIP-18, "Emergency Exposure Guide" necessary, authorize emergency exposure		/
14.	As necessary, authorize administration to emergency workers desiring to us to Radiological Protection Coordinator.		
	OSC Activation		
15.	If a release is occuring, consult EPIP "Operations Support Center Activation," habitability of primary OSC.		/
16.	If uninhabitable, direct the OSC Coord staff and equipment/ supplies to the a (Service Building). If this is also un direct the OSC Coordinator to relocate area (Control Room/STSC, TSC or EOF).	lternate OSC ninhabitable,	e
	CONTROLLED DO	CUMENIT	

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I Page 11 of 12
GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 36 of 39

CHECKLIST EMERGENCY COORDINATOR TSC and EOF ACTIVATED

TIME/INITIALS

Security

17. As necessary, implement EPIP-24, "Security," and order the Security Director to limit access to the station, contact Maricopa County Sheriff's Office for assistance in controlling site access, and arrange access for necessary personnel not on the Emergency Personnel Access List and/or not having access to the protected area via card-key system.

 Ensure the Security Director is appraised of offsite assistance requests to arrange access.

Corrective Actions

19. Determine needs, consult with staff, authorize reentry per EPIP-25, "Reentry for Emergency Operations."

Assessment Actions

20. Ensure that the Radiological Protection Coordinator is obtaining needed data using EPIP-14A, "Release Rate Determination," EPIP-14B, "Initial Dose Assessment," EPIP-16, "Inplant Surveys and Sampling" and EPIP-17, "Onsite/Offsite Surveys and Sampling."

Protective Actions

- Determine the need for early dismissal/evacuation of non-essentials per EPIP-19, "Onsite Evacuation."
- 22. Establish eavcuation order, offsite reassembly area, evacuation route and inform the Security Director.
- Order evacuation signal when the Security Director report that preparations are complete.

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX I. Page 12 of 12
GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 37 of 39
CHECKLIST EMERGENCY COORDI TSC and EOF ACTI		
Recovery		TIME/INITIALS
24. Consult with the Emergency Operations Di implementing EPIP-31, "Recovery."	rector concerning	/
Event Termination or Redu	ction	
25. Contact PVNGS Compliance at Ext for No. Some of the second summary within 3 hours to offsite author Provide documentation as requested.	ide written	/
Performed By	gnature	Date

PVNGS EMERGEN		PROCEDURE NO. EPIP-06	APPENDIX J Page 1 of 3
GENERAL EMERGENCY IMPL	EMENTING ACTIONS	REVISION 8	Page 38 of 3
	TSC COMMUNICATOR (CHECK LIST	
POSITION FILLED BY:	Nuclear Operato	or from affected u	nit.
RESPONSIBILITY	the <u>onshift</u> Eme operability of	otification proces ergency Coordinato communications eq nications logbook.	r. Ensure uipment.
IMMEDIATE ACTIONS			TIME/INITIALS
•	STSC Activati	on	
1. Report to the STS	C upon notificatio	n.	/
Notificat	ion of ALERT, SITE GENERAL EMERGE	AREA EMERGENCY,	
 Complete the init directed by the O or Shift Supervision 	nshift Emergency C	age Form as oordinator	
 Initiate notifica Emergency Coordin absence). 	tion process as di ator (or Shift Sup	rected by the ervisor in his	/
 Inform the Emerger notifications are 	ncy Coordinator wh complete.	en inítial	/
 Contact the Securical in additionation the Emergency Coordinates 	l personnel if so	nform him to directed by	/
 Prepare the Follow directed by the En 	w-up Emergency Mes mergency Coordinat	sage Form as or.	
*7. Provide follow-the State/County	up information whe y agencies.	n requested by	/
*8. Maintain records transmitted offs	s of communication site.	s received or	

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-06	APPENDIX J Page 2 of 3	
GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 8	Page 39 of 39	18

TIME/INITIALS

1.8

Notification of ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

Offsite Assistance

- 9. Contact required offsite assistance (EPIP-33, "Offsite Assistance", Appendix A) via telephone if directed by the Emergency Coordinator.
- Record name and time on "Telephone Communication Log Sheet", (EPIP-33, Appendix B).
- Transfer call to Emergency Coordinator for clarificaton, if necessary.
- Inform the Emergency Coordinator of contact/lack of contact, scope of offsite assistance and estimated time of arrival.

ACTIVATION OF ONSITE EMERGENC' RGANIZATION

- 13. Transfer continuous communication is with the NRC to the NRC Liaison Operation 5C.
- Review status of notifications and transfer responsibility for notifying State/County agencies and NRC to Government Liaison Engineer in the EOF.
- Notify the Emergency Coordinator when responsibilities have been transferred to the Government Liaison Engineer.



Performed by

Date

CONTROLLED DOCUMENT

PV215-00DA (8/82)

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ASSIGNED COPY

PVNGS

8-9A

PALO VERDE NUCLEAR GENERATING STATION

PROCEDURE CHANGE NOTICE

the second s	YES
1. PROCEDURE TITLE _ Emergency Equipment an	d Supplies Inventory
2. PROCEDURE NUMBER EPIP- 38	
2a.Manager concurrence	
3. REASON FOR PCN: To close out CAR # CAR	
in Appendix H, page 3 of 3.	-orre and to correct typos tour
· · · · · · · · · · · · · · · · · · ·	
4. EXPIRATION: Next Revision	
5. AFFECTED STEPS:	
Section 4, Step 4.4.1 - Page la	CHANGE REQUIRED:
Section 4, 5kp 4.1.2 - Page 6	Delete lege 6; Toget 6a
Appendix H. Page 3 of 3	
II THE SOLO	Delete Poor 28: Deset Poor 280
. PREPARED BY:	
Hendela. Ainiele 11/5/85	ENTERED IN PROCEDURE BY:
SIGNATURE DATE	
. TEMPORARY APPROVAL:	SICNATURE
N/X	
SICNATURE DATE	SS/Assist. SS . I
DATE	9. PRB/PRG/TRRG:
DATE	11.10
SIGNATURE DATE	- SIGNATURE

PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-38		7
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	Page 1 of 40	1

-ASSIGNED COPY PVNGS #_8-9A

DATE 9/14/85 DEPT. HEAD PRB/PRG/TRRG REVIEW DATE 9 would APPROVED BY DATE EFFECTIVE DATE

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DN-1670A/0196A

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			PROCEDURE NO. EPIP-38	
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY			REVISION 7 Page 2 of 40	
		REVISION HIS	TORY	
Rev. No.	Date	Revised Pages		Comments
5	1/30/85	5,7,21,28,30	Incorporat	ion of PCN #01
		32,33,35		QA comments.
			Deleted qu	arters and added
			inventory	schedule.
6	6/19/85	3,5,6,7,11,	Revised to	include new
		12,16,17,18,	Appendices	for U/II; Update
		25,33,35,40	references and use of i	
······································			procedure;	Changed inven-
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EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY REVISION 1.0 OBJECTIVE 1.1 To provide a means of assuring the operational readiness and availability of equipment required for implementation of the PVNGS Emergency Plan. 2.0 REFERENCES 2.1 Implementing References 2.1.1 9N219.05.00, "Document/Record Turnover Control" 2.1.2 75PR-02202, "Respiratory Protection Program" 2.1.3 75RP-9XC04, "Control of Radiation Protection Instrumentation" 2.2 Developmental References 2.2.1 NUREG 0654, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants" 2.2.2 NUREG 0696, Feb. 1981, "Functional Criteria for Emergency Response Facilities" 2.3 PVNGS Emergency Plan, Rev. 6. 3.0 LIMITATIONS AND PRECAUTIONS 3.1 First-Aid equipment and supplies shall be maintained under the direction of the Safety Director. 3.2 Equipment and supplies utilized on a daily basis but which may be used during an emergency shall be maintained through existing surveillance procedures.		EMERGENCY PLAN	PROCEDURE NO. EPIP-38	
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used during an emergency shall be maintained through existing	3.1 Fin din	est-Aid equipment and suppli ection of the Safety Direct	es shall be mainta: or.	ined under the
	use	a during an emergency shall	d on a daily basis be maintained thro	but which may be ough existing

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SOLL DIES INVENIORI	7	Page 6 of 40
4.0 DETAILED PROCEDURE		
		/
		/
4.1.1 In order to insure the avai	ilability of equip	ment which may
required during the course Emergency Planning Supervis	sor or his designe	e shall be
responsible for conducting	a quarterly inven	tory of amargan
equipment and supplies. In conducted within five (5)	n addition, an inv	entory shall be
emergency equipment and/or	supplies. Also a	n inventory she
De conducted within five (5) working days af	ter any
classified emergency has be	een terminated	
4.1.2 After termination of a dril	11/exercise or act	ual emergency.
perform a walkdown of the l	kits to determine	usage during the
event. If he kits were ut: walkdown on a memo-to-file.	ilized, record the	results of the
the drill or the emergency	shall be subject	utilized during
·	/	in inventory.
4.2 Prerequisites	/	
NONE		
4.3 Instructions		
4.3.1 Dedicated emergency equipme	and supplies l	ocated in the
emergency lockeps shall be	inventoried quarte	erly, after each
drill and after termination Emergency lockers/kits are	maintained at the	following
. locations:		TOTIONING
(1) Contral Designed of		
 Control Room/STSC of ea Operations Support Cent 	ter (OSC) of each	mit
(3) Service Building (alter	mate OSC)	ant c
(4) TSC		
(8) EOF (Command Center)(6) Emergency Vehicle		
	oital	
(7) Maryvale Samaritan Hosp		
(7) Maryvale Samaritan Hosp(8) Security Building		
(8) Security Building(9) Annex Building, Securit	y Desk	
 (8) Security Building (9) Annex Building, Securit (10) PVNGS Ambulance 		
(8) Security Building(9) Annex Building, Securit		

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4.0 DETAILED PROCEDURE

4.1 Personnel Indoctrination/Responsibilities

- 4.1.1 In order to insure the availability of equipment which may be required during the course of an emergency at PVNGS, the Site Emergency Planning Supervisor or his designee shall be responsible for conducting a quarterly inventory of emergency equipment and supplies. In addition, an inventory shall be conducted within five (5) working days after any drill using emergency equipment and/or supplies. Also an inventory shall be conducted within five (5) working days after any drill using emergency equipment and/or supplies. Also an inventory shall be conducted within five (5) working days after any -
- 4.1.2 Within one (1) working day after perform a walkdown of the kits to determine usage during the event. If no kits were utilized, record the results of the walkdown on a memo-to-file. Only those kits utilized during the drill or the emergency shall be subject to an inventory.

4.2 Prerequisites

NONE

4.3 Instructions

- 4.3.1 Dedicated emergency equipment and supplies located in the emergency lockers shall be inventoried quarterly, after each drill and after termination of a classified emergency. Emergency lockers/kits are maintained at the following locations:
 - (1) Control Room/STSC of each unit
 - (2) Operations Support Center (OSC) of each unit
 - (3) Service Building (alternate OSC)
 - (4) TSC

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- (5) EOF (Command Center)
- (6) Emergency Vehicle
- (7) Maryvale Samaritan Hospital
- (8) Security Building
- (9) Annex Building, Security Desk
- (10) PVNGS Ambulance
- (11)Good Samaritan Hospital
- 4.3.2 Quarterly inventories shall be conducted as designated by the schedule in Appendix Q.

	EMERGENCY PLAN NTING PROCEDURE	PROCEDURE NO. EPIP-38		
EMERGE	NCY EQUIPMENT AND PLIES INVENTORY	REVISION 7	Page 7 of 40	
4.3.3	utilizing Appendices A thr designated equipment for a location.	cough P. Each appe a specified emergen	endix contains t acy storage	
4.3.	3.1 All blanks shall be fi inventoried except whe	illed on each appen on that item is mis	dix when sing or deficie	
4.3.	3.2 If any item is missing be left open until the conditions of steps 4. met.	item is replaced	or until the	
4.3.	3.3 When the conditions of are met, the inventory When the replacement e available, a second in document the inclusion second inventory shall	y shall be closed (equipment/materials eventory shall be p of the replacement	signed off). , etc. are reformed to t items. This	
4.3.:		If the shelf life of the battery as indicated by the manufacturer has expired, replace the battery.		
4.3.:	3.5 If no shelf life is in from the Radiation Pro Group and test the bat in the red band of the with a new battery.	tection Instrument tery. If the batt	Calibration ery output fall	
4.3.4	Instruments and communicat emergency lockers shall be use. Calibration of radia conducted by the Radiation intervals established by t	tested quarterly tion survey instru Protection Sectio	and after each ments shall be n and at	
4.3.5 Respirators and respirator maintained by the Radiatic Repair, replacement, chang intervals established per		n Protection Suppo	rt Group.	

4.3.6 Emergency Planning Group shall coordinate with Radiation Protection to ensure that in each emergency kit each type of personal dosimetry (i.e., 0-200 mR pocket dosimeters, 0-1R pocket dosimeters, alarming dosimeters) should have the same calibration due date.

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- 4.3.7 All radiac instruments, other than air samplers, shall be reviewed as to their calibration due dates each inventory per Appendix Q. Any instrument found to have a calibration due date in the three (3) months following the inventory shall be pulled from service. Any instrument pulled from service, out of calibration, or otherwise inoperable shall be handled in accordance with 75RP-9XC04, "Control of Radiation Protection Instrumentation" and replaced the same day. If the Radiation Protection Support Group does not have a same day replacement, it shall be noted on the inventory and shall be entered on the Emergency Planning Action Item List (EPAIL) as a deficiency and R.P. Support notified immediately.
- 4.3.8 All air samplers thall be exchanged every two (2) months. Those exchanged shall be replaced the same day. If Radiation Protection Support Group does not have a same day replacement it shall be listed as a deficiency on EPAIL, and R.P. Support notified immediately...
- 4.3.9 Materials and supplies, other than radiac instruments, found to be deficient or missing shall be replaced in a timely manner (Generally within 5 working days). Materials/supplies that must be purchased (i.e., Purchase Request, R.O.S., etc.) shall be noted in the comments section of the appropriate appendix. The specific P.R. or R.O.S. should be tracked via normal purchasing group/warehouse methods.
- 4.3.10 Records of the inventory and checks of emergency equipment shall be transmitted to DDC by the Supervisor, Site Emergency Planning as per 9N219.05.00, "Document/Record Turnover Control", with a copy forwarded to the Manager, Emergency Planning.
- 4.3.11 Calibration records of radiation survey instruments shall be maintained by the Radiation Protection Section.

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			RE				
	EMERGE	ENCY STORAG	E AT UNI	T ONE CR	ISTSC		
	Scheduled	Date Inven					
	Other	Date Inven	tory Com	pleted		-	
	· · · · · · · · · · · · · · · · · · ·	SERIAL				1.1.7	BATTERY
		NUMBER	DATE/I	NITIALS		RATION DATE	RECHARGE/ REPLACEMEN
1 1	Frisker w/probe Portable Ion Chamber						
	Survey Meter						
1	Portable air samplers 100' extension cord	-	/				
2	A/S Heads						
1	Particulate A/S filters (box)						
15	AgX cartridges			-		1 i t t 1	
25	Charcoal A/S cartridges	1994 - M					
10	Respirators w/filters	1. N. N.		-			
	Respirator filters (char.						
12	SCBAs	,					
1	Aspirator bulbs						
2	Alarming dosimeters					1.1	
5	Noble gas collection chamber (Marinelli beak						
1	Check source	ers)					
10	Full sets of P.C.'s						
1	Smears (box with folders)						
10	Signs with inserts						
100'	Barrier rope						
2	Clipboards						
1	Paper, yellow, lined (pkg)						
5	Pens/pencils						
1	Log book						
10	RAM labels		1				1.
2	Tape, Duct		1				
50	Plastic bags (various sizes)		/				
1	Scissors		1				1
2	9V transistor batteries			and the second se			
1	First aid kit		1				
1	Set controlled copy of EPIPs		1	set i			
3	One liter bottles		1				

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	PVNGS EMERGENCY PLA IMPLEMENTING PROCEDU		PROCEDURE NO.		APPENDIX A Page 2 of 2	
	The second se	and a gran strange of a first strange of the	EPIP-38	Page 2	of 2	
	EMERGENCY EQUIP SUPPLIES INVE	MENT AND NTORY	REVISION	Page 1	0 of 40	
	EMER	GENCY STORAGE AT	UNIT ONE CR/STSC	(CONT'D)		
					BATTERY	
		SERIAL NUMBER	DATE/INITIALS	CALIBRATION DUE DATE	RECHARGE/ REPLACEMEN	
10	0-200 mR dosimeters	*				
10	0-1 R dosimeters					
10	0-100 R dosimeters			-		
15	Individual accounta	hilden				
	report forms	orred	,			
1	Dosimeter charger					
2	'AA' batteries			•		
50	Dosimetry issue for	ms				
2	Flashlights					
10	'D' cell batteries					
L	Knife w/spare blade	5				
5	50cc syringes					
L	Noble gas pre-filte holder	r .				
L	Tape measure, 6 ft.					
10	Potassium Iodide, K	Ι.				
	BTL, 14 Tabs/BTL		1			
L	Full set, site maps		1			
	Tweezers, pr.		1			
L	Surgeon's gloves, be	x	1			
•	Grease pencils					
lit	Sealed: YES	NO N/A				
		N/A				
om	ments:					
1						
	and the second			and the second		
trades due have de						
erf	formed by:				,	
	Signatur			Date		
levi	iewed by:					
	Signature			Date		

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-3		APPENDIX B Page 1 of 2 Page 11 of 40	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION			
	EMERGENCY STORAGE	AT INIT THO CR	10TCC .		
			5150		
	Scheduled Date Invent Other Date Invent	tory Started tory Completed			
	Date Invent	cory completed .			
				BATTERY	
	SERIAL		CALIBRATION	RECHARGE /	
	NUMBER	DATE/INITIALS	DUE DATE	REPLACEMENT	
1	Frisker w/probe				
1	Portable Ion Chamber				
	Survey Meter	1			
1	Portable air samplers				
1	100' extension cord				
2	A/S Heads				
1	Particulate A/S filters	and the second s			
	(box)	1			
15	AgX cartridges	1			
25	Charcoal A/S cartridges	1			
10	Respirators w/filters *	1			
10	Respirator filters (char.)				
12	SCBAs				
1 2	Aspirator bulbs				
-	Alarming dosimeters				
5	Noble gas collection chamber (Marinelli beakers)				
1	Check source				
10	Full sets of P.C.'s	1			
1	Smears (box with folders)	1			
10	Signs with inserts	1			
100'					
2	Clipboards				
1	Paper, yellow, lined (pkg)				
5	Pens/pencils				
1	Log book				
10	RAM labels				
2 50	Tape, Duct			· · ·	
50	Plastic bags (various sizes)				
1	Scissors				
2	9V transistor batteries	/			
1	First aid kit Set controlled copy of				
	EPIPs				
3	One liter bottles	/			

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10 0 10 0 15 I 1 D 2 ' 50 D 2 F 10 ' 1 K	-200 mR dosimeters -1 R dosimeters -100 R dosimeters ndividual accountability report forms osimeter charger AA' batteries osimetry issue forms lashlights D' cell batteries	SERIAL			CALIE	RATION	RECHARGE/
10 0 10 0 15 I 1 D 2 ' 50 D 2 F 10 ' 1 K	-200 mR dosimeters -1 R dosimeters -100 R dosimeters ndividual accountability report forms osimeter charger AA' batteries osimetry issue forms lashlights D' cell batteries	SERIAL			CALIE	RATION	RECHARGE/
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15 I 1 D 2 ' 50 D 2 F 10 ' 1 K	ndividual accountability report forms osimeter charger AA' batteries osimetry issue forms lashlights D' cell batteries			1			
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50 D 2 F 10 1 K	osimetry issue forms lashlights D' cell batteries			/			
2 F 10 1 K	lashlights D' cell batteries			A second statement of the second seco			
10 1 K	D' cell batteries		-	1			
1 K				1			
	area alabare prodes			1			
5 5	Occ syringes			1			
1 N	oble gas pre-filter		-	A second s			
	holder '			/	• •	. *	
1 T	ape measure, 6 ft.		_	/			
10 1	BTL, 14 Tabs/BTL						
1 F	all set, site maps			/			
1 T	veezers, pr.			1			
1 S	argeon's gloves, box			1			
4 G	rease pencils			1			
	aled: YES NO	N/A		_			
Comment	:::						
Perform	ed by:						1
	Signature					Date	
Reviewe							
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	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION	7 Page 1	3 of 40
	EMERGENCY STOR	AGE AT UNIT ONE	050	
_	Scheduled Date Inven	tory Started tory Completed		
				BATTERY
	SERIAL	DATE/INITIALS	CALIBRATION DUE DATE	RECHARGE / REPLACEMENT
6	Hand-held portable radios	1	Alter States	
		/		
			공장은 동안이	
			이야 한 것이 있다.	
1	6-Pak radio charger			
6	Radio holsters			
6	Spare batteries		이 아이 아이	
1	Frisker w/probe			
î	Portable Ion Chamber			
<u>.</u>	Survey Meter	1		
2	Portable air samplers			
1	Battery Powered			
911	Air Sampler	1		
1	100' extension cord			
4	A/S heads	1		
1	Particulate A/S filters (box)	,		
15	AgX cartridges	1		
25	Charcoal A/S cartridges			
4	Respirators w/filters			
4 4 1	Respirator filters (char.) SCBAs			
1	Aspirator bulbs			
2	Alarming dosimeters			
15	Noble gas collection			
	chamber (Marinelli beakers)	1		
1	Check source	1		
5	Flashlights	1		
20	'D' size batteries	1		
1	First aid kit			
1	Smears (box with folders)	1		
10	Signs with inserts	/		
100'		_/		
2	Clipboards			

- Stand

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE			PROC NO.	CEDURE EPIP-38	APPEND Page 2	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY			SION 7	Page 1	4 of 40
	EMERGENC	Y STORAGE	AT UNIT O	NE OSC (C	ONT'D)	
		SERIAL	DATE/INI		ALIBRATION DUE DATE	BATTERY RECHARGE REPLACEM
1	Paper, yellow, lined (pkg)		,			
10	Pens/pencils					
1	Log book				1.1.1	
10	RAM labels					
2	Tape, Duct					
50	Plastic bags (various sizes)		1			
1	Scissors		1			
2 2 5 1 . 2	9V transistor batteries		1			
2	Shampoo		1			
5	Soap		1			
1.	Hair clippers				·	
	Shaving cream		1			
1	Disposable razors (pkg)		. /			
10	Full sets of P.C.'s		_ /			
25	Individual accountability report forms		1			
4	Washcloths		_ /			
4	Towels					
1	Q-Tips (pkg)		/			
10 10	0-200 mR dosimeters		/			
	0-1 R dosimeters	1				
10 50	0-100 R dosimeters					
1	Dosimetry issue forms				1	
2	Dosimeter charger 'AA' batteries					
1	Noble gas pre-filter			·		
1	holder Set ontrolled copy of		_/			
	EPI/s					
5 3	50cc syringes One liter bottles					
1	Pair bolt cutters					
1	Regular pliers					
î	Diagonal pliers					
1	Hammar 16 or ball					1
1	Hammer, 16 oz. ball peen Long nose pliers					
1	Common head screwdriver					
1	Phillips head screwdriver					
-	analys nead sciewdriver		1			

SUP 1 Knife w/ s		STORAGE	AT UNIT ONE OS		ge 15 of 40
4 Soil/veget containe			AT UNIT ONE OS		
4 Soil/veget containe				C (CONT'D)	
4 Soil/veget containe	de la de la comercia 🗧	SERIAL	DATE/INITIALS	CALIBRATI	
containe	spare blades tation sample				
2 Sat Site			1		
			_/	e a de ser large	
1 Tape measu	ure, 6 ft.		/		
10 Potassium	Iodide, KI, BTL,				
14 Tabs/ 10 Set, Body	Mana				
1 1 veezers,	nair				
1 Surgeon's	gloves, box			·	
1 Folding sh	noval				
	TLD rings				
4 .Grease per	ncils	G		· · · · · · · · · · · · · · · · · · ·	
1 Calculator					
1 Radio Ante					
Comments:	.s NO				
Performed by: _					,
Reviewed by:	Signature		1. Part in	Date	hi-thèthe
	Signature			Date	

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-3	APPEND	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION		6 of 40
	EMERGENCY STOR	AGE AT UNIT TWO	osc	
_	Scheduled Date Inven Other Date Inven	tory Started tory Completed		
	SERIAL	DATE/INITIALS	CALIBRATION DUE DATE	BATTERY RECHARGE/ REPLACEMENT
6	Hand-held portable radios			
				-
1	6-Pak radio charger	1		
6	Radio holsters			
0	Spare batteries			
1	Frisker w/probe	,		
1	Portable Ion Chamber			
	Survey Meter	1		
2	Portable air samplers			
1	Battery Powered			
*	Air Sampler	,		
1	100' extension cord			-
4	A/S heads		1.000	
1	Particulate A/S filters (box)	,		
15	AgX cartridges	1		
25	Charcoal A/S cartridges			
4	Respirators w/filters			
4	Respirator filters (char.)			
1	SCBAs			
2	Aspirator bulbs Alarming dosimeters			
15	Noble gas collection chamber (Marinelli beakers)			
1	Check source	1		
5	Flashlights			1.
20	'D' size batteries	/		
1	First aid kit			
1	Smears (box with folders)	_/		
10 100'	Signs with inserts			
100	Barrier rope			

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		INO.			APPENDIX D Page 2 of 3	
	EMERGENCY EQUIPMENT ANI SUPPLIES INVENTORY)	REVISION	7	Page 1	7 of 40
	EMERGENCY	STORAGE	AT UNIT TWO OS	C (CON	T'D)	
		SERIAL	DATE/INITIALS		IBRATION E DATE	BATTERY RECHARGE/ REPLACEMEN
2	Clipboards		,			
1	Paper, yellow, lined (pkg)					
10	Pens/pencils					
1	Log book					
10	RAM labels					
2	Tape, Duct					
50	Plastic bags (various					
	sizes)		1			
1	Scissors			·		
2	9V transistor batteries					
2	Shampoo			· · · · · ·		
2 5 1	Soap					
1	Hair clippers					
2	Shaving cream		1			
1	Disposable razors (pkg)		1	1 N		
10	Full sets of P.C.'s		1		•	
25	Individual accountability					
	report forms					
4	Washcloths					
4	Towels					
1	Q-Tips (pkg)					
10	0-200 mR dosimeters					
10	0-1 R dosimeters 0-100 R dosimeters					
50						
1	Dosimetry issue forms Dosimeter charger					
2	'AA' batteries					
ĩ	Noble gas pre-filter holder					
1	Set controlled copy of EPIPs		,			
5	50cc syringes		1			
3	One liter bottles		1			
1	Pair bolt cutters		1			
1	Regular pliers		1			
1	Diagonal pliers		1			
1	Hammer, 16 oz. ball peen		1			
1	Long nose pliers		1			

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURI NO. EPIP-	NO. EPIP-38		IX D of 3
	EMERGENCY EQUIPMENT AN SUPPLIES INVENTORY	ם	REVISION	7	Page 1	8 of 40
	EMERGENC	Y STORAGE	AT UNIT TWO OS	C (CONT	'D)	
		SERIAL	DATE/INITIALS	CALI	BRATION	BATTERY RECHARGE/ REPLACEMEN
1	Cormon head screwdriver	14	,			
1	Phillips head screwdriver					
1	Knife w/ spare blades		1	· · · · · · ·		
4	Soil/vegetation sample					
	containers		1			
2	Set Site Maps		/			
1	Tape measure, 6 ft.					
10	Potassium Iodide, KI, BTL,					
10	14 Tabs/BTL			in de la compañía de		
1	Set, Body Maps					
î	Tweezers, pair Surgeon's gloves, box					
î	Folding shovel					
20	Extremity TLD rings					
4	Grease pencils			a de la calendaria		
1	Calculator					
1	Radio Antenna					
			•			
Kit	Sealed: YES NO	N/A				
	ments:	N/A				
						,
reri	formed by:					
	Signature				Date	
				- Common		
(evi	ewed by:					
	Signature				Date	
	- CONTROL		-			

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO. EPIP-34	APPENDIX E 8 Page 1 of 3
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION	7 Page 19 of 40
	EMERGENCY STORAG	E AT SERVICE BUT	ILDING
_	Scheduled Date Invent	ory Started	
	SERIAL NUMBER	DATE/INITIALS	CALIBRATION RECHARGE/ DUE DATE REPLACEMENT
2	Friskers w/probe	_/	
2	Portable Ion Chamber	_/	
4	Portable air samplers		
2	50' extension cord		
10	A/S heads	Contart Reports	
	Particulate A/S filters (box)		
50	AgX cartridges	1	
25	Charcoal A/S cartridges		
4	Respirators w/filters		
6	Respirator filters (char.) SCBAs		
2	Aspirator bulbs		
3	Alarming dosimeters	_/	
15	Noble gas collection		
	chamber (Marinelli beakers)	_/	
1 15	Check source Full sets of P.C.s		
300'	Barrier Rope		
10	Signs with inserts		
	Shampoo		
5	Soap	1	
2512144112	Hair clippers	1	
2	Shaving cream		
1	Disposable razors (pkg)		and the second
4	Washcloths		
	Towels Q-Tips (pkg)		
	V-LIDS (DKg)		
1	Smears (box with folders)		

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		I NO.		APPENDIX E Page 2 of 3	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	$\mathbb{I}_{\hat{g}_{i}}$	REVISION	7	Page 20	of 40
N. A.	SE	RAGE A	T SERVICE BUILD	CAL	DNT'D) IBRATION E DATE	BATTERY RECHARGE/ REPLACEMEN
1	Paper, yellow, lined	*				THE AMERICAL AND
- *	(pkg)					
5	Pens/pencils			. · · ·		
1	Surgeon's gloves, box					
1	Paper, yellow, lined					
	(pkg)					
5	Pens/pencils			· ·		
1	Surgeon's gloves, box					
1	Log book					
10	RAM labels					
2	Tape, Duct					
50	Plastic bags (various sizes)	de la contra				
1	Knife w/spare blades			1.1.1		
25	Individual accountability report forms		1			
1	Scissors			· · · · ·		
6	SCBA spare bottles					
2	9V transistor batteries			÷		
1	Calculator			6 - M		
1	Dosimeter charger					
4	'AA' batteries			6. j.		
2	Set controlled copy of EPIPs		,			Anna A
1	Noble gas pre-filter holder	in an	1			
3	One liter bottles		1			
50 15 15 15	Dosimetry issue forms		1 .			
15	0-200 mR dosimeters		1			
15	0-1 R dosimeters		1		the thread on the second s	
15	0-100 R dosimeters		1			
2	Soil/vegetation sample containers		1		-	
5	50cc syringes		1			
1	Set Site Maps		1			
4	Flashlights		1			1
30	'D' cell batteries		1			
2	First aid kit		and the second design of the s			

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PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-38	APPEN Page	DIX E 3 of 3
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION		21 of 40
	AT SERVICE BUILDI DATE/INITIALS / / / / / / / / / / / / / / / / / /	1.080	BATTERY
6 Radio holsters 6 Spare radio batteries 1 Radio charger, 6-pak Kit Sealed: YES NO N/A Comments: Performed by:		*	,
Signature		Date	~
Reviewed by:		Date	

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	PVNGS EMERGENCY PLAN		PROCEDURE NO. EPIP-31		PENDIX F ge 1 of 2
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY		NEVISION	Pag	ge 22 of 40
	EMERGENC	Y STOR	AGE AT TSC		
X					
110	Scheduled Date I	nvento	ry Started		
12	Date I	uvento	ry completed -		
	the second se				BATTERY
	SERI NUMB		DATE/INITIALS	CALIBRATI	ION RECHARGE/
1	Frisker w/probe				
1	Portable Ion Chamber				
2.	Survey Meter		,		
1	Portable sir sampler	-			
	AC powered		1	x .	
1	100' extension cord				
2	A/S Heads		1		
1	Particulate A/S filters (box)	÷	/		
10	AgX cartridges	1	1		
25	Charcoel A/S cartridges		1		
2	Respirators w/filters	272-5			
Z	Respirator filters (char.)	1.1			
2	SCBAs				
2	Aspirator bulbs				
*	Alarming dosimeters				
2	Noble gas collection				
7	chamber (Marinelli beakers)		1		
1	Check source	·			
10	Full sets of P.C.s	-			*
2	Flashlights		1 .		
10	'D' size batteries		1		strates, many second strategy and strategy and
1	First aid kit		1		
1	Smears (box with folders)				
5 50'	Signs with inserts		/		
2	Barrier rope Clipboards				
2	Paper, yellow, lined				
·	(pkg)			- 44	
5	Pens/pencils				
1	Log book				
10	RAM labels				1
2	Tape, Duct				
50	Plastic bags (various				
	sizes)		1		
-	Scissors				

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE			PROCEDURE NO. EPIP-38	APPEND Page 2	
	EMERGENCY EQUIPMENT SUPPLIES INVENTOR	r AND RY	REVISION	Page 2	3 of 40
100	EMER	GENCY STORAGE	AT TSC (CONT'D)		
		SERIAL	DATE/INITIALS	CALIBRATION DUE DATE	BATTERY RECHARGE/ REPLACEME
					STARE AND DALLES
2	9V transistor batteries Set controlled copy of EPIPs				
25	Individual accountabil: report forms	ity			
10	0-200 mk dosimeters			·	
10	0-1 R dosimeters				
10	0-100 R dosimeters				
1	Dosimeter charger				
2	'AA' batteries				
50	Dosimetry issue forms				
50 1	Knife, w/spare blades				
3	One liter bottles		- /		1991 - XIII.
2	Soil/vegetation sample containers		1 3		
5	50cc syringes		1		
1	Noble gas pre-filter holder		1		
10	Potassium Iodide, KI, 1 14 Tabs/BTL	STL,	1		
1	Full Set, Site Maps		/		
1	Tweezers, pr.	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
4	Surgeon's gloves, box Grease pencils				
	비행하는 것이다.				
	김 씨는 것은 분석적인	* 19 M L.			
Kit	Sealed: YES NO	N/A			
	ments:	N/A			
-					
Perf	formed by:			n den K	
	Signature			Date	
Revi	lewed by:				
	Signature	the second s		Date	

	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-38	APPENDIX G Page 1 of 2
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	Page 24 of 40
1000 - 10000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -	EMERGENCY STO Scheduled Date Invent Other Date Invent	RAGE AT EOF ory Started ory Completed	BATTERY
	SERIAL NUMBER	the second	ALIBRATION RECHARGE/ DUE DATE REPLACEMENT
1	Frisker w/probe		
£	Portable Ion Chamber		
1	Survey Meter		
-	Portable air sampler		
2	100' extension cord A/S Heads		
1	Particulate A/S filters		
	(box)		
0	AgX cartridges		
25	AgA cartridges		
2	Charcoal A/S cartridges Respirators w/filters		
2	Respirator filters (char.)		
	SCBAs		
	Aspirator bulbs		
	Alarming dosimeters		
2	Noble gas collection		
	chamber (Marinelli beakers) Chack source		
0	Full sats of P.C.s		
2	Flashlights		
0	'D' size batteries		
	Camera		
	Film (rolls)		
	First aid kit (basic)		
	Smears (box with folders)		
0	Signs with inserts		
0'	Barrier rope		
	Clipboards		
	Paper. yellow, lined (pkg)		
	Pens/pencils	1	
	Log book	1	
0	RAM labels	1	
	Tape, Duct	1	
0	Plastic bags (various sizes)	1	
	Scissors		

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- March 199		Page 25 of 4	0
SERIAL NUMBER DA			
 9V transistor batteries Set controlled copy of EPIPs One liter bottles 50cc syringes Noble gas pre-filter holder 0-200 mR dosimeters 0-1 R dosimeters 0-100 R dosimeters 10 0-100 R dosimeters 10	terminate and the second	IBRATION RECH	ERY ARGE/ ACEMEN
Kit Sealed: YES NO N/A Comments: Performed by: Reviewed by: Signature		Date	

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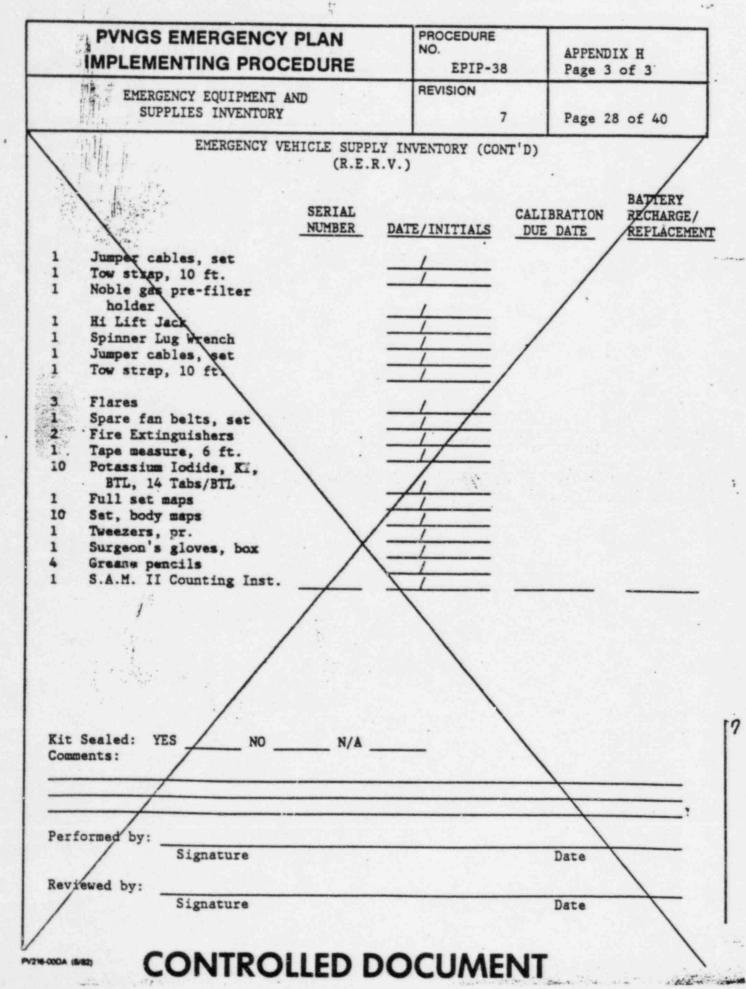
1	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-38	APPEND Page 1	IX H of 3
A strength	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7		6 of 40
	(R.E. Scheduled Date Inven	SUPPLY INVENTORY R.V) tory Started tory Completed		
	SERIAL	DATE/INITIALS	CALIBRATION DUE DATE	BATTERY RECHARGE/ REPLACEMENT
1	Frisker wienebe			
1	Frisker w/probe Portable Ion Chamber			
-	Survey Meter		•	
4	Portable air samplers			
1.5	corrapte att sampters			
All and a start				
T	100' extension cord			-
6	A/S Heads			
5	Farticulate A/S filters (box)			
75	AgX cartridges			
25	Charcoal A/S cartridges	1		
3	Respirators w/filters	1		
3	Respirator filters (char)	1		
1	Aspirator bulbs	1		
3	Alarming dosimeters	1		
	/			
10	Noble gas collection chamber (Marinelli beakers)			
2	Check source			
10	Full sets of disposable P.C.s			
10	Signs with inserts			
2	Shampoo	1		
5	Soap	1		
1	Hair clippers	1		
2	Shaving cream	1	10.04	
1	Disposable razors (pkg)	1		
4	Wash cloths	1		
4	Towels	1		
1	Q-Tips (pkg)	1		
1	Smears (box with folders)	1		
300'	Barrier rope	1		
2	Clipboards	1		
1	Paper, yellow, lined (pkg)			

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-3	APPI	ENDIX H a 2 of 3
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION	7 Page	a 27 of 40
5 1 20 2 50 1 1 1 2 10 1 2 1 1 1 1 1	EMERGENCY VEHICLE SUPP			BATTERY DN RECHARGE/
1 1 1 4 4 1 1 3 3 3 3 1 6	Regular pliers Long nose pliers Hammer Stanchions 9V transistor batteries Calculator Set controlled copy of EPIPs Five gallon bottle water 0-200 mR dosimeters 0-1 R dosimeters 0-100 R dosimeters Dosimeter Charger 'AA' batteries			
50 5 5 5 1	Dosimetry issue forms One liter bottles 50cc syringes Soil/vegetation sample containers Noble gas pre-filter holder Hi Lift Jack			1
1	Spinner Lug Wrench	_/		

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PVNGS EMERGENCY PLAN	EPIP-38	APPENDIX H Page 3 of 3	- <u></u>
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	284 Page 25 of 4	.0
EMERGENCY VEHICLE SUPPLY (R.E.R.V SERIAL NUMBER D 1 Jumper cables, set 1 Tow strap, 10 ft. 1 Neble gas pre-filter holder 1 Neble gas pre-filter holder 1 Number cables, set 1 Spinser Lug Wronoh 1 Jumper cables, set 1 Tow strap, 10 ft. 1 Spinser Lug Wronoh 1 Jumper cables, set 1 Tow strap, 10 ft. 1 Tow strap, 10 ft. 3 Flares 1 Spare fan belts, set 2 Fire Extinguishers 1 Tape measure, 6 ft. 10 Potassium Iodide, KI, BTL, 14 Tabs/BTL 1 Full set maps 10 Set, body maps 1 Tweezers, pr. 1 Surgeon's gloves, box 4 Grease penciis 1 S.A.M. II Counting Inst.	.) CA	BATT LIBRATION RECE	ERY
Reviewed by:		Date	
Signature		Date	

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PVNGS EMERGENCY PLAN		PROCEDURE NO. EPIP-38	APPENDIX I Page 1 of 1	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	Page 29 of 40	
	MARYVALE SAMARITAN HOSP	ITAL EMERGENCY KIT		
	Scheduled Date Invento		<u>ala</u> and a second second	
201	Date Invento	ry Completed		
			and a second second	
199	SERIAL		BATTERY	
		the second	IBRATION RECHARGE/ TE DATE REPLACEMENT	
		DATE/INTITIO DU	E DATE REPLACEMEN	
1	Roll Herculite, Green -			
	54" x 100 Yards	/		
3	Roll Herculite, Yellow -			
1	54" x 100 Yards			
*	Roll Herculite, White - 54" x 100 Yards			
1	Portable GM Survey Meter			
î	Portable Ion Chamber			
41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Survey Meter			
1	Frisker w/Probe			
1	and Spare Probe	1		
10	0 - 1R Dosimeters			
	0 - 200 mR Dosimeters		the second s	
1	Dosimeter Charger		<u></u>	
1.11	w/Spare Batteries			
10	TLD Badges			
10	TLD Rings Lead Pig			
1	Dec n Table Top			
24	Rolls of Yellow Tape,			
	Pressure Sensitive			
	w/Radiation Symbols	1		
150'	Yellow and Magenta			
	Barrier Rope	/		
6	Rope Stanchions	1		
1	Dosimetry Distribution			
12	and Exposure Forms			
1	Barrier Signs w/Inserts Low pressure shower head			
50	Step-off pads			
1	Disposable Booties, Case			
1	Sample Holder For Pancake Probe			
30	Poly Bottles; Capacity, gals.	1	1	
Kit :	Sealed: YES NO N/A	and a second at the second		
Comm	ents:			
Perfe	ormed by:			
	Signature		Date	
Paul	ewed by:			

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ERGENCY EQUIPMENT AND SUPPLIES INVENTORY GOOD SAMARITAN HOSP cheduled Date Inven ther Date Inven 	tory Started tory Completed CA	Page 1 of 1 Page 30 of 40
cheduled Date Inven ther Date Inven SERIAL 	tory Started tory Completed CA	BATTERY
cheduled Date Inven ther Date Inven SERIAL 	tory Started tory Completed CA	BATTERY
ther Date Inven	tory Completed	BATTERY
SERIAL NUMBER	CA	BATTERY
SERIAL NUMBER	and a second	BATTERY
NUMBER	and a second	BATTERY
		LIBRATION RECHARGE/
erculite, Green -	DATE/INITIALS D	UE DATE REPLACEMEN
x 100 Yards	1	
erculite, Yellow -		
x 100 Yards		
erculite, White -	*	
x 100 Yards		
le GM Survey Meter le Ion Chamber		-
Meter		
r w/Probe		
Spare Probe	. ,	
Dosimeters		
0 mR Dosimeters		
tor Charger	-	
are Batteries		
dges		
ags		
ig Table Top		
of Yellow Tape,		
sure Sensitive		
diation Symbols	1	
and Magenta		
ier Rope	1	
tanchions		
try Distribution		
Exposure Forms		
Signs w/Inserts		
essure shower head ff pads		
able Booties, Case		
Holder For		
ake Probe	1	
ottles; Capacity, gals,	1	
YES NO N/A		
7:		
		Date
Signature	ACINIER	Date
	Signature	

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PVNGS EMERGENCY PLAN MPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-38	APPENDIX K Page 1 of 1 Page 31 of 40	
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7		
PVNGS AMBULANCE EM Scheduled Date Inventor Other Date Inventor SERIAL NUMBER D	ry Started	BATTER IBRATION RECHARC TE DATE REPLACE	GE/
 20 Pr, disposable booties 4 Pr, disposable coveralls 20 Pr, disposable surgeons gloves 			
2 5'x 8' Herculite fabric 1 Set Body maps			
	• • • •		
Kit Sealed: YES NO N/A Comments:	_		1
Performed by:		Date	-
Reviewed by:		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	

PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE		PROCEDURE NO. EPIP-38		PPENDIX L age 1 of 1	
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY		REVISION		Page 32 of 40	
Scheduled Date Other Date	Security B Inventor Inventor	SSISTANCE KIT ldg.) y Started y Completed	CALIBRAT DUE DAT		
Rit Sealed: YES NO Comments: Performed by: Signature	_ N/A			, 	

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-38	APPENI Page 1	DIX M
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION	Page 3	33 of 40
	OFFSITE SURVEY TEAM (SERVICE BU		1	
-	Scheduled Date Invento	ory Started		
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	the state of the second s			
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	NUMBER	DATE/INITIALS	DUE DATE	RECHARGE/ REPLACEMEN
			200 0410	ALL AROLID.
1	GM Survey Meter		And the second second of	
1	Frisker w/probe			
1.	Portable Ion Chamber			
1	Survey Meter DC powered air sampler			
2	A/S Heads			
1	Particulate A/S filters			
225	(box)			
50	AgX cartridges			a da ser se
25	Charcoal A/S cartridges			
2	Respirators w/filters			
2	Respirator filters (char)			이 아이는 나라지?
1	Aspirator bulb			
2	Alarming dosimeters			
2	Noble gas collection	/		
	chamber (Marinelli beakers)	/		
1	NG pre-filter holder	1		
2	Full sets of disposable P.C.s			
1	Smears (box with folders)			
1	Clipboards			
4	Pads paper, yellow, lined			
4	Pens/pencils			
50	Plastic bags, various			
	sizes	1		
1	First aid kit			
2	Liter plastic bottles			
1	Tape, Duct	1		
1	Knife, w/spare blades	1		
1	Tape measure, 6 ft.	1	· · · ·	
1	50cc syringe	1		
1	Potassium Iodide, KI,			
	BTL 14 tabs/BTL		*	
1	Full set, maps	/		
4	Extremity TLD rings		122222	
2	0-200 mR dosimeters			
2	0-1R dosimeters			· · · · ·

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PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-38	APPENDIX M Page 2 of 2
EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	Page 34 of 40
OFFSITE SURVEY TEAM EN (SERVICE SERIAL NUMBER Handheld trowel Tweezers, pr. Surgeon's gloves, box Grease pencils Dosimeter charger Check source Calcu'tor Radio antenna	BUILDING)	T) CALIBRATION BATTERY RECHARGE/ DUE DATE REPLACEMENT
Kit Sealed: YES NO N/A Comments:		
Comments:		
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	PVNGS EMERGENCY PLAN	PROCEDURE NO. EPIP-3	APPEND 8 Page 1	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION	7 Page 3	5 of 40
	OFFSITE SURVEY TEAL (SERVICE)		B	
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1	GM Survey Meter	,		
1	Frisker w/probe			
1	Portable Ion Chamber Survey Meter		•	
. 1	DC powered air sampler			
2	A/S Heads			
1 Design	Particulate A/S filters (box)	1		24 A
50	AgX cartridges			
- 25	Charcoal A/S cartridges	1		
2	Respirators w/filters	1		
2	Respirator filters (char)	1		
1	Aspirator bulbs			
2	Alarming dosimeters			
2	Noble gas collection	manner - far me more summer of		Provide and the second second second
	chamber (Marinelli beakers)	1		
1	NG pre-filter holder	1		
2	Full sets of disposable P.C.s	/		
1	Smears (box with folders)		*	
1	Clipboards		*	
2	Pads paper, yellow,			
4	lined Pars/parsile			
50	Pens/pencils Plastic bags, various sizes			
1	First aid kit			
2	Liter plastic bottles			
ĩ	Tape, Duct			
ĩ	Knife, w/spare blades		Desc	
1	Tape measure, 6 ft.			
1	50cc syringe			
1	Potassium Iodide, KI, BTL 14 tabs/BTL			1
1	Full set, maps			
4	Extremity TLD rings			
2	0-200 mR dosimeters			

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PVNGS EMERGENCY		NO.		APPENDI	XN
IMPLEMENTING PROC	CEDURE	EPIP-38	8	Page 2	
EMERGENCY EQUIPMENT SUPPLIES INVENTORY	AND	REVISION	7	Page 36	of 40
OFFSITE SURV 2 0-1R dos'meters 1 Hand-held trowel 1 Tweezer, pr. 1 Surgeon's gloves, box 2 Grease pencils 1 Dosimeter charger 1 Check source 2 Calculator 1 Radio antenna	VEY TEAM EMER (SERVICE BU SERIAL NUMBER	DATE/INITIALS	CALIB	RATION	BATTERY RECHARGE/ REPLACEME
Kit Sealed: YES NO Comments:	N/A				
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IMPLEMENT	IERGENCY PLAN	PROCEDURE NO. EPIP-30	APPEND 8 Page 1	
EMERGENCY	EQUIPMENT AND S INVENTORY	REVISION		7 of 40
Schedule Other Other Portable Jon Survey Mete Portable G.M. Survey Mete Portable G.M. Survey Mete S' x 10' Herc 100 Rad-barrier r Disposable gl 20 Pr, disposabl 10 Pr, disposable gl 20 Pr, disposable ca 5 Cotton towels 10 Disposable ca 5 Cotton towels 10 Soap, bar 1 Tape, Duct 1 Box, moist to 10 Bags, large 4 Signs w/inser 1 Shampoo 1 Razor, pk 1 Shave cream 1 Q-tips, pack 1 Hand brush 10 Potassium Iod BTL 14 tabs 1 Set, body map 1 50cc syringe	d Date Inven Date Inven Date Inven SERIAL NUMBER obe Chamber r ulite fabric ope, ft oves, box e booties e coveralls ps welattes ts	ECURITY DESK) tory Started tory Completed DATE/INITIALS ////////////////////////////////////	CALIBRATION DUE DATE	BATTERY RECHARGE/ REPLACEMEN
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	PVNGS EMERGENCY		PROCEDUR NO. EPIP		APPEND Page 1	and the second sec
	EMERGENCY EQUIPMENT A SUPPLIES INVENTORY	מאז	REVISION	7	Page 3	8 of 40
	OFFS	SITE DECONT (SERVICE	AMINATION KIT BLDG.)			
_	Scheduled Other	Date Inven	tory Started tory Completed			
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	Herculite, roll					
1	5 gal bottles, water			-		
2	Rad rope, roll			-		
Å	Rope stanchions			- · ·		
4 2 6	Absorbent toweling, rolls			-		
6	Surgeons gloves, box			-		
5	Full sets P.C.'s			-		
5	Sets plastic coveralls			-		
50	Plastic disposable					
30	booties, pair		1.			an sheet
20	Disposable coveralls,	19 B. C. *				
	pair		,		•	
20	Disposable caps			-		
12	Cotton towels			-		
2	Cotton glove liners,			-		
	dozen		1			
2	Soap, package			-		
1	Btl, potassium			-		
-	permanganate		1			
2	Tape, rolls			-		
2	Moist towelettes, box		• /	-		
4	Signs w/inserts			-		
10	Bags, plastic, large		1	-		
2	Shampoo, btl		1	-		
12	Razors, disposable		1			
2	Q-tips, pk		1	-		
1	Hair clippers		1	-		
4	Shaving cream		1			
4	Buckets/basins	S. 1999	1			
2	4" x 4" gauze, box		1			
4	Brushes, hand		/	-		
2	Corn meal/Tide, box		_/	_		1
3	Rad tape, roll			-		
4	Normal saline, liter btl			_		
1	First aid kit			-		
2	Portable G.M.					
	Survey Meters			-		
1	Box smears w/folders					

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	PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-38	APPENDIX P Page 2 of 2	
	EMERGENCY EQUIPMENT AND SUPPLIES INVENTORY	REVISION 7	Page 39 of 40	1
	OFFSITE DECONTAN (SERVICE E			-
	SERIAL	CA	LIBRATION RECHARC UE DATE REPLACE	GE/
10	Potassium Iodide, KI, BTL 14 tabs/BTL	,		
1	Set, body maps			
2	Friskers w/probes			
2	50cc syringe			
1	Titanium oxide powder, btl			
	ETDA, btl		· · · · · ·	
1	Citric acid powder, btl	1		
1	Sodium bisulfate, btl			
1 1 1 2 2	Carboxymethyl cellulose ether, btl Vaseline hand lotion, btl			
2	Clorox bleach, qt.			
1.	Waterless hand cleaner, can			
	Sealed: YES NO N/A ments:			
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EM	ERGENCY EQUIPMENT SUPPLIES INVENTOR	AND					1	REV	ISIC	M	7			Page	e 40 of 44
	EMERGENCY EQUIP	MENT	AN	DS	UPP	LIE	S I		ENT	ORY	SC	HEI	DULI	2	1
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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	
ULTIMATE HEAT SINK EMERGENCY WATER SUPPLY	REVISION 2	Page 1 of 11

ASSIGNED COPY PVNGS # 3 9A

DATE 10/23/35 DATE 10/23/35 DATE 10/31/85 DEPT. HEAD A Inni Store PRB/PRG REVIEW_ APPROVED BY 11/111 EFFECTIVE DATE 11-15-15 DN-2050V/0470V

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	EMERGENC		PROCEDURE NO. EPIP-56	
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		REVISION H	IISTORY	
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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	
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3.0	LIMITATIONS AND PRECAUTIONS	4
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	4.1 Personnel Indoctrination/Responsibilities4.2 Prerequisites4.3 Instructions	5 5 6

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ULTIMATE HEAT SINK EMERGENCY WATER SUPPLY	REVISION 2	Page 4 of 11
1.0 <u>OBJECTIVE</u> 1.1 To provide guidance on the sec		
1.1 To provide guidance on the est alternate water supply to main the unit spray ponds.	ablishment of an E Mtain sufficient wa	mergency ter inventory in
2.0 <u>REFERENCES</u>		
2.1 Implementing References		
2.1.1 Arizona Revised Statute 45	-517	
2.1.2 PVNGS Technical Specificat	ions	
2.2 Developmental References		
2.2.1 Reg Guide 1.27, Rev. 2		
2.2.2 PVNGS Emergency Plan Rev.	6	
2.2.3 FSAR Sect. 9.2, Amm. 12		
3.0 LIMITATIONS AND PRECAUTIONS		
3.1 A reliable water supply capable operating within 27 days of a s	e of 225 gpm to eac Safe Shutdown Earth	ch unit shall be squake.
3.2 The spray pond water level shall levels per Technical Specificat removal capability and avoid re	long to provide of	Annaha Luca
3.3 If construction delays, redundation unforeseen events threaten the heat removal systems and/or wat inventory the Emergency Coordin Emergency Operation Director, s to restore heat removal capabil	availability and/o er supply systems lator, with the con	r reliability of or water currence of
3.3.1 Utilization of any availabl available for delivery to t	A Water cupply and	
3.3.2 Any resources available thr onsite or offsite.		

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ULT	IMATE HEAT SINK ENCY WATER SUPPLY	REVISION 2	Page 5 of 11
Repr	nder Arizona kevised Statute ode, evidence shall be submit sources that an emergency ex actical after withdrawals of ILED PROCEDURE	ted to the Directo	r of Water
	onnel Indoctrination/Respons		
4.1.1	Personnel within the Emerg of the ramifications of a supply systems.	ency Organization : loss of water inve	should be aware ntory and/or
4.1.2	The Emergency Coordinator	has	
	maintaining sufficient wat emergency well and piping decision should be made wi declaration.	er inventory and de	eciding that an
4.1.3	maintaining sufficient wat emergency well and piping decision should be made wi declaration.	er inventory and de system should be co thin 6 days of the Coordinator and the e responsible for p an accurate assess s of normal water s tion of normal syst	e Technical providing the sment of current supply systems,
	The Emergency Maintenance Engineering Coordinator with water inventory, the statu time estimates for restora supplies and technically so	er inventory and de system should be co thin 6 days of the Coordinator and the e responsible for p an accurate assess s of normal water s tion of normal syst ound solutions to a esponsible for the ersonnel entering r	e Technical providing the ment of current upply systems, ems, alternate iny outstanding
4.1.3	The Emergency Maintenance Engineering Coordinator ar Emergency Coordinator ar Emergency Coordinator with water inventory, the statu time estimates for restora supplies and technically so water supply problems. The Security Director is re clearance and badging of po	er inventory and de system should be co thin 6 days of the Coordinator and the e responsible for p an accurate assess s of normal water s tion of normal water s tion of normal syst ound solutions to a esponsible for the ersonnel entering t l drilling crews.	e Technical providing the ment of current upply systems, ems, alternate movement, the station to is responsible
4.1.3 4.1.4 4.1.5	 maintaining sufficient wat emergency well and piping decision should be made wi declaration. The Emergency Maintenance Engineering Coordinator ar Emergency Coordinator with water inventory, the statu time estimates for restora supplies and technically so water supply problems. The Security Director is re clearance and badging of po provide support; i.e.; well The Administrative and Logs for initiating actions and 	er inventory and de system should be co thin 6 days of the Coordinator and the e responsible for p an accurate assess s of normal water s tion of normal water s tion of normal syst ound solutions to a esponsible for the ersonnel entering t l drilling crews.	e Technical providing the ment of current upply systems, ems, alternate movement, the station to is responsible

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	
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4.3 Instructions

NOTE

This procedure shall be implemented to secure a dependable water supply, capable of delivering 225 gpm to each unit within 27 days of a Safe Shutdown Earthquake or other accident which eliminates or restricts normal water supply to an unsafe level.

NOTE

This procedure shall be initiated within 6 days of a seismic event or SSE which results in irrepairable damage to the three onsite wells which supply makeup water to the Spray Ponds.

NOTE

See Appendix B for primary and Alternate Well Site Selection.

- 4.3.1 The Emergency Maintenance Coordinator shall initiate the action to determine the extent of damage to normal water supply systems, estimated time and resources required to make required repairs and restore normal systems. See Appendix E for available spare parts.
- 4.3.2 The Technical Engineering Coordinator shall initiate actions to determine the amount and availability of any alternate water reserves, i.e.: cooling tower basins, water reservoir and methods for delivery to spray ponds.
- 4.3.4 The Administrative and Logistics Coordinator shall take action to mobilize the following:
 - 4.3.4.1 A well drilling company capable of sinking the required well within 15 days (27 days from time 0). See Appendix A for local companies.
 - 4.3.4.2 An irrigation or other piping supply company capable of delivering temporary piping. See Appendix D for source of temporary piping.

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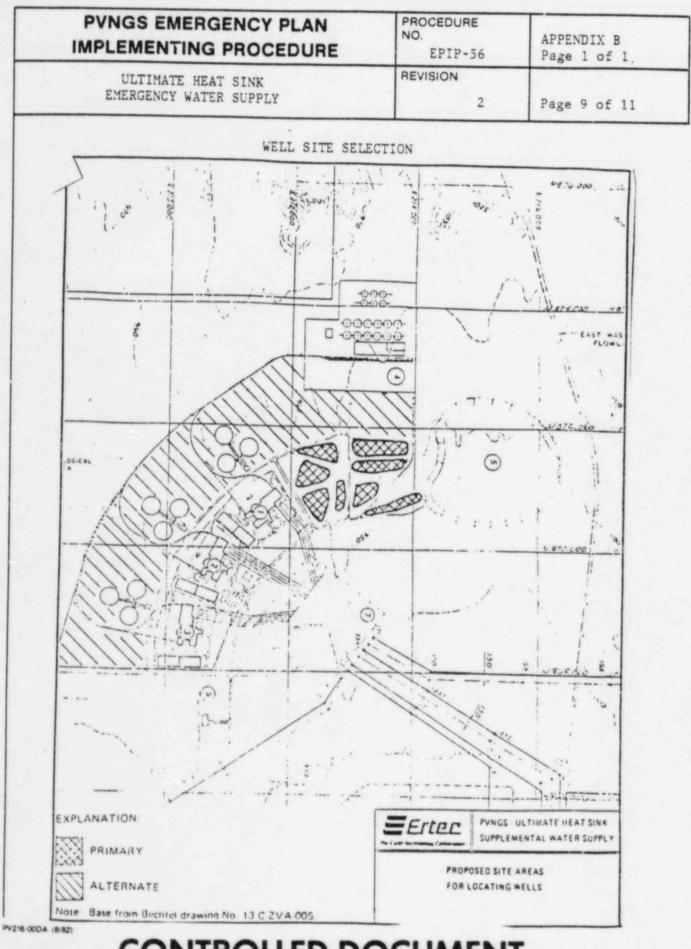
PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	
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- 4.3.4.3 Earth Technology Corp. may provide engineering support as needed, (Another suitable engineering firm may be used if Earth Technology Corp. is unavailable).
- 4.3.4.4 Bechtel Power Corporation shall provide engineering and/or field assistance as needed.
- 4.4 Routes to Palo Verde
 - 4.4.1 Normal route to PVNGS for equipment from Phoenix would be Interstate 10 west to Wintersburg Road and south to the site.

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4.4.2 Alternate routes of travel should be established by the Administrative and Logistics Coordinator depending on resource availability, location and extent of any damage to offsite resources.

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ULTIMATE HEAT SINK EMERGENCY WATER SUPPLY	REVISION 2	Page 8 of 11
OFFSITE CON	TACTS	
WELL DRILLING C	OMPANIES	
1. B C & M Drilling Inc., 1128 South	Lewis Mesa, AZ 852	202
 B C & M Drilling Inc., 1128 South Campbell's Drilling, Inc., P.O. B 	-	
- And the second se	ox 833, Wickenburg,	AZ 85358



PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	APPENDIX C Page 1 of 1
ULTIMATE HEAT SINK EMERGENCY WATER SUPPLY	REVISION 2	Page 10 of 11

TEMPORARY PIPING SUPPLIER

1. Rain for Rent Irrigation Systems, 26001 S. Arizona Hwy 93 Chandler, AZ

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-56	APPENDIX D Page 1 of 1
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ULTIMATE HEAT SINK EMERGENCY WATER SUPPLY	2	Page 11 of 11

DEEP WELL SPARE PARTS PO # FC502, F15B394

	QTY	BECHTEL MRR	APS MRR	LOCATION C19A9-10
EQUIPMENT) Pump Bowl Assembly	1	1 168063	952907	C19A9-10
Columnized	1 1	167856	952907	C19A9
2) Weld on Cone Galvanized Strainer 10"	1 1	167856	952907	D21K
3) Toe Pipe 10" x 10"	1	168063	952907	C4K
4) 200 Hp Electric Motor 3 1800 RPM	1		952907	C19B9
5) Disc, Head (HD 16x10 NAT)	1 1	168063		-1
201 Longths	1 19	168063	952907	D21K
0)	1 19	168063	952907	D21K
7) Butt T & C Column Pipe 10" x 279" x 20'				

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UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

December 20, 1985

50-528/529/530 Palo Verde

MEMORANDUM FOR: Chief, Document Management Branch, TIDC

FROM: Director, Division of Rules and Records, ADM

SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Rules and Records has reviewed the attached document and has determined that it may now be made publicly available.

Bance H Hundy

Donnie H. Grimsley, Director Division of Rules and Records Office of Administration

Attachment: As stated