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PALO VERDE NUCLEAR GENERATING STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES

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Procedure Number	Procedure Title	Rev.	Date Effective
EPIP-02	Emergency Classification	5	7/9/86
EPIP-23	Fire Fighting	4	7/9/86

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-23	
FIRE FIGHTING	REVISION 4	Page 1 of 7

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REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
3	05-10-85	4, 6	Updated references and provided correct references in text of procedure
4	~~06-02-86~~ 7/9/86 7/30/86	4,5,6,7	Updated references, deleted Bechtel Fire Dept.

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1.0 OBJECTIVE

1.1 This procedure details actions necessary for the efficient, orderly, and expedient treatment of a fire at PVNGS that cannot be controlled by the PVNGS Fire Team.

2.0 REFERENCES

2.1 Implementing References

2.1.1 EPIP-02, "Emergency Classification"

2.1.2 EPIP-18, "Emergency Exposure Guidelines"

2.1.3 EPIP-24, "Security"

2.1.4 14AC-0ZZ02, "Fire Emergency Notification and Response"

2.1.5 PVNGS Prefire Strategies

2.1.6 EPIP-03, "NOTIFICATION OF UNUSUAL EVENT IMPLEMENTING ACTIONS"

2.1.7 EPIP-04, "Alert, Site Area and General Emergency Implementing Actions"

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

2.2.3 14TR-0ZZ01, "Fire Team Training", Rev. 0

2.2.4 75AC-9ZZ01, "Radiation Exposure Authorization, Permits and Control", Rev. 3

2.2.5 10CFR20, "Standards for Protection Against Radiation", 1983.

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3.0 LIMITATIONS AND PRECAUTIONS

3.1 This procedure deals with the handling of emergency situations, it is intended to be used as a guide. The actual conditions at the station may alter emergency and subsequent actions.

3.2 The Radiological Protection Coordinator may authorize exposures in excess of PVNGS Administrative Radiation Exposure Limits up to the Limits of 10CFR20. Exposures in excess of 10CFR20 Limits up to Emergency Exposure Limits of EPIP-18, "Emergency Exposure Guidelines" shall be authorized by the Emergency Coordinator. Exposures in excess of Emergency Exposure Limits shall not be authorized.

4.0 DETAILED PROCEDURE

4.1 Personnel Indoctrination/Responsibilities.

4.1.1 The Emergency Coordinator has overall responsibility for implementation of this procedure.

4.1.2 When the offsite Fire Department assistance has been summoned, the PVNGS Fire Team Leader shall retain his leadership role at the fire scene.

4.2 Prerequisites

4.2.1 A fire is in progress and is being fought per 14AC-0ZZ02, "Fire Emergency Notification and Response".

4.2.2 An incident has occurred which has been classified per the provisions of EPIP-02, "Emergency Classification".

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4.3 Instructions

4.3.1 At the scene of the fire:

4.3.1.1 Upon determining that the fire cannot be rapidly extinguished by the PVNGS Fire Team, the Fire Team Leader shall go to the nearest phone and notify the Control Room of the following:

(1) Nature and extent of fire,
(2) Location,
(3) Recommendation for outside assistance,
(4) Description of special requirements (i.e., precautions and equipment needs).

4.3.2 Control Room

4.3.2.1 Upon receipt of information of a significant fire onsite, the Shift Supervisor shall call the Security Shift Captain (Security Director), using normal phone Line (ext. 4444), and notify him of the following:

(1) Nature and extent of fire,
(2) Location,
(3) Request for support from the Offsite Department,
(4) Special Requirements (i.e., precautions and equipment needs).

0

4.3.2.2 The Shift Supervisor or Emergency Coordinator shall refer to EPIP-02 and classify/reclassify the emergency as indicated.

4.3.2.3 Subsequent emergency actions shall be taken per EPIP-03, "NOTIFICATION OF UNUSUAL EVENT Implementing Actions", EPIP-04, "Alert, Site Area and General Emergency Implementing Actions."

4.3.2.4 The Emergency Coordinator shall ensure the Hazards Control Coordinator is kept informed of the situation.

4.3.3 Security Director

4.3.3.1 At the direction of the Emergency Coordinator, the Security Director shall contact the offsite Fire Department, and provide the following information:

(1) Nature and extent of fire,
(2) Location,
(3) Special precautions, if required,
(4) Special equipment required.

4.3.3.2 The Security Director shall inform the security force that offsite fire fighting assistance is expected and designate personnel to issue dosimetry and escort the offsite fire department personnel and equipment to the scene of the fire in accordance with EPIP-24, "Security".

4.3.4 Radiological Protection Coordinator

4.3.4.1 Upon notification by the Emergency Coordinator, the Radiological Protection Coordinator shall dispatch a monitoring team to the scene of the fire if required to assist with radiological aspects of the emergency.

4.3.4.2 The monitoring team shall collect dosimetry issued to the Offsite Fire Department members prior to their release from the site.

4.3.4.3 The monitoring team shall survey all personnel and equipment prior to their release from the site following termination of the emergency.

4.3.4.4 The monitoring team shall supervise any decontamination evolutions that are required prior to release of offsite personnel or equipment.

4.3.5 When the fire has been extinguished:

4.3.5.1 Fire Team Leader shall inform the Shift Supervisor and Emergency Coordinator.

4.3.5.2 The Shift Supervisor shall have an announcement made over the PA system regarding termination of the fire.

4.3.5.3 The Emergency Coordinator shall release members of the offsite fire department after completion of any required radiological monitoring and/or decontamination.

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REVISED BY DENNIS SWAN / TERRY RADTKE EXT. 3000/2364

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REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
3		4, 7, 9, 15, 17, 19	To incorporate PCN #01 of Rev. 2 and to correct references and minor editorial changes
4		10, 17, 25	To incorporate PCN #01 of Rev. 3; revise note so wording same as in other procedure; spelling error correction
5	7/9/86	4,6,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,28	TO INCORPORATE PCNs 01-04; CLARIFY DEFINATION OF AN "UNCOMPLICATED REACTOR TRIP" CLARIFIED DEGRADED ELECTRICAL CONDITIONS REQUIRING CLASSIFICATION; TYPO CORRECTION.

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1.0 OBJECTIVE

To provide a means of classifying off-normal events into one of the four emergency classifications described in the PVNGS Emergency Plan.

2.0 REFERENCES

2.1 Implementing References

2.1.1 EPIP-03, "Notification of Unusual Event Implementing Actions"

2.1.2 EPIP-04, "Alert, Site Area and General Emergency Implementing Actions"

2.1.3 EPIP-15, "Protective Action Guidelines".

2.1.4 EPIP-20, "Personnel Assembly and Accountability".

2.1.5 PVNGS Technical Specifications

2.1.6 41EP-1ZZ01, "Emergency Procedure"

2.1.7 "Event Reporting Manual"

2.1.8 41RO-1ZZ10, "Functional Recovery Procedure"

2.1.9 PVNGS Security Plan

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

2.2.3 PVNGS Final Safety Analysis Report (FSAR), Amendment 14, February 1985

2.2.4 CEOG EOP Technical Guidelines, CEN-152, Rev. 02, April 1984

2.2.5 EPA-520/1-75-00, "Manual of Protective Actions Guides and Protective Actions for Nuclear Incidents," Revised June 1980.

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2.2.6 10 CFR 50, "Domestic Licensing of Production and Utilization Facilities," 1983.

2.2.7 CEOG Task 467, May 1983, "Guideline for Core Damage Assessment".

3.0 LIMITATIONS AND PRECAUTIONS

3.1 Surveillance and assessment of plant and containment conditions are necessary to ensure appropriate classification of an event and appropriate Protective Action Recommendations (PAR) made to offsite officials. These PARs are made to offsite officials even when no release is in progress.

3.2 Definitions and Abbreviations

3.2.1 Notification of Unusual Event - This classification applies to unusual events which are in progress or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occur.

3.2.2 Alert - This classification consists of events which are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the Environmental Protection Agency Protective Action Guideline exposure levels.

3.2.3 Site Area Emergency - Consists of events which are in progress or have occurred which involve actual or likely major failures of plant functions needed for the protection of the public. Any releases are not expected to exceed Environmental Protection Agency Guideline exposure levels beyond the site boundary.

3.2.4 General Emergency - Consists of events which are in progress or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.

3.2.5 ARM - Area Radiation Monitor

3.2.6 PRM - Process Radiation Monitor

3.2.7 PAG - Protective Action Guidelines: Guidelines used in establishing recommendations given to and acted upon by offsite authorities to ensure the safety of the public.

3.2.8 MSLB - Main Steam Line Break

3.2.9 MSSS - Main Steam Support Structure

3.2.10 SBCS - Steam Bypass Control System

3.2.11 ADV - Atmospheric Dump Valves

3.2.12 ESFAS - Engineered Safety Features Actuation System

3.2.13 PAR - Protective Action Recommendation

3.2.14 RPS - Reactor Protection System

3.2.15 RO - Recovery Operating Procedures

3.2.16 CHIC - Corporate Headquarters Information Center

3.2.17 CEC - Corporate Emergency Center

3.2.18 JENC - Joint Emergency News Center

3.2.19 SS - Shift Supervisor

3.2.20 EC - Emergency Coordinator

3.2.21 RMS - Radiation Monitoring System

3.2.22 WB - Whole Body

3.2.23 NUE - Notification of Unusual Event

3.2.24 CRS - Control Room Supervisor

3.2.25 SIAS - Safety Injection Actuation Signal

3.2.26 RCS - Reactor Coolant System

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4.0 DETAILED PROCEDURE

4.1 Personnel Indoctrination/Responsibilities

NOTE

The rationale and criteria used to derive Appendices A and B is given in Appendix C. Appendix C describes the criteria used in the development of the emergency classifications. It is intended for information only, not for event classification.

EPIP-02 is not implemented for the notification of significant events unless a situation degrades to the point of impacting on a fission product barrier and compromising a safety function. Notification of significant events is made per the, "Event Reporting Manual".

4.1.1 If a conflict or uncertainty exists, the more conservative, higher numbered, Implementing Action EPIP should be initiated when classifying the event.

4.1.2 For Emergency Classifications of ALERT or higher, the Shift Supervisor of the designated unaffected unit shall relieve the Shift Supervisor of the affected unit as the Emergency Coordinator. For Notification of Unusual Events it will be the discretion of the Shift Supervisor of the affected unit, if he is to be relieved as Emergency Coordinator by the Shift Supervisor of the designated unaffected unit.

4.1.3 The normal assignments of designated unaffected unit Shift Supervisors are listed. If conditions exist which make the use of the listed Shift Supervisor undesirable, another qualified individual may relieve as the Emergency Coordinator at the discretion of the affected unit Shift Supervisor.

4.1.4 If an indication of barrier challenge or failure exists which is inconsistent with the recovery procedure in use, initiate the Emergency Classification indicated and rediagnose plant conditions to identify any additional procedure which may be necessary to address existing conditions.

4.1.5 The rationale used to develop the classification of events based on indications of barrier challenge or failure is provided in Appendix C. This information describes the relationship between safety function and barrier integrity.

4.1.6 Responsibilities of the affected unit shift supervisor are:

4.1.6.1 Initial classification of the event per this procedure.

NOTE

Designated Unaffected Unit Shift Supervisor to assume the role to the Emergency Coordinator in the Onshift Emergency Organization are:

Affected Unit SS	Unaffected Unit SS
Unit 1	Unit 2
Unit 2	Unit 1
Unit 3	Unit 2
Entire Site	Unit 1

4.1.6.2 Notification of the Shift Supervisor of the designated unaffected unit or other individual selected as Emergency Coordinator.

4.1.6.3 Organization of the onshift staff to place the plant in a safe condition.

4.1.6.4 Assumption of the Emergency Coordinator's position until relieved.

4.1.7 Responsibilities of the Emergency Coordinator are:

4.1.7.1 Overall responsibility for directing the onshift emergency response organization.

4.1.7.2 Implement EPIP's based on initial classification.

4.1.7.3 Verification/reclassification of the event after initial licensee actions are completed.

4.1.7.4 Monitoring plant conditions and reclassifying the event as necessary until the event is terminated.

4.1.7.5 Downgrade the event based on plant status with all safety functions satisfied and boundary status verified.

4.1.7.6 Terminate the event taking into account that the event has been downgraded and the anticipated plant response is such that there should be no challenge to any fission product barriers or radiation releases in excess of Tech Specs; and present plant conditions are such that there is no possibility of an adverse impact on the health or safety of the general public or plant personnel.

4.2 Prerequisites

4.2.1 A situation has occurred which requires the implementation of the PVNGS Emergency Plan to protect the health and safety of the public.

4.3 Instructions

4.3.1 When plant conditions are such that Emergency Plan implementation may be required, the Shift Supervisor/Emergency Coordinator shall perform the following:

4.3.2 Classify the event using the appropriate appendix:

Appendix A - If an event oriented Recovery Procedure or the functional Recovery Procedure is in use.

Appendix B - If a non-Rx trip event has occurred.

4.3.3 If the event oriented Recovery Procedure that is in use is effectively directing the maintenance of Critical Safety Functions and plant recovery, the CRS/EC may elect to NOT classify an "Uncomplicated Reactor Trip" as an NUE. SIAS actuations caused by low pressurizer pressure require event classification as an NUE due to assumed SI flow into the RCS. Reactor Trips which involve other ESFAS actuations in which the cause is known, may be determined uncomplicated if plant parameters are trending as expected and ESFAS reset criteria are met at the time classification would normally be required. Anytime an uncomplicated trip has been determined, the Event Reporting Manual should be consulted to ensure appropriate notifications are made.

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4.3.4 Record the date/time/events of initial classification. Upon verification/reclassification of the event, record the date and time and supporting information.

4.3.5 Initiate and complete the implementing actions given in the appropriate classified-event implementing procedure (i.e., EPIP-03 and 04). 5

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Offsite Dose and Barrier Challenge/Failure Event Classification

1.0 Determine the event classification as follows:

1.1 Evaluate any barrier challenges/failure per Appendix A, Table 1.

1.2 Evaluate any current offsite radioactive release per Appendix A, Table 2.

1.3 The following Degraded Electrical conditions require classification as NUE. 5

LOSS OF OFFSITE POWER - Inability to provide power to both PBA-S03 and PBB-S04 from any offsite 525KV transmission line.

LOSS OF ONSITE AC POWER CAPABILITY - Inability to provide power to NAN-S01 and NAN-S02 or PBA-S03 and PBB-S04 from any source.

Evaluate plant electrical status for any required classification.

NOTE

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

2.0 Select the most restrictive, higher classification, from the Table 1, Table 2, and degraded electrical conditions as the event classification.

Appendix A

Table 1 - Barrier Challenge/Failure Classification Criteria

1.0 Make Checks by any of the following conditions that currently exist.

RCS	CLAD	CONTAINMENT
____ RVLMS indicates voiding in upper plenum	____ ATWS	____ Physical breach of containment
	OR	
____ RCS pressure > 2750 psia	Excessive RCS Activity (> 300 uc/gm dose equivalent I-131)	OR
____ Uncontrolled loss of RCS inventory > 50 gpm	____ CET > 700 F	CIAS required but not completed (i.e. both automatic valves in a penetration fail to close)
		____ H_2 concentration > 3.5% by volume
		____ Containment pressure > 50 psig

Vital Auxiliaries/Radiation Release

____ Total loss of offsite and onsite AC power (Blackout)

____ Total loss of offsite and onsite AC power (Blackout) for longer than 60 minutes

____ Loss of all Class IE DC power.

____ Loss of all Class IE DC power for longer than 15 minutes.

____ Failure of ESF Safety Systems (both trains) to actuate when required (Diesel Generator start failures excluded)

____ > 10gpm primary/secondary leakage concurrent with loss of condenser vacuum

OR

> 10 gpm primary/secondary leakage concurrent with loss of secondary coolant outside containment

Appendix A

Table 1 - Barrier Challenge/Failure Classification Criteria (Cont'd.)

2.0 Determine the emergency classification level for barrier challenge/failure per the following guidelines:

Number of Checks made in 1.0	Barrier Status	Classification
0	No barriers lost or challenged	Unusual Event (EPIP-03)
1	One barrier lost or challenged	Alert (EPIP-04)
2	Two barriers lost or challenged	Site Area Emergency (EPIP-04)
3 or more	Three barriers lost or challenged	General Emergency (EPIP-04)

Appendix A

Table 2 - Offsite Dose Projection Classification Criteria

Based upon information provided by the Radiation Protection Group and/or RMS, determine the emergency classification level according to the following:

___ Notification of Unusual Event (EPIP-03)

Plant Vent Monitor	RU-143 Chn. 1	≥ 6.62 E-4 uci/cc
Fuel Bldg. Exh. Monitor	RU-145 Chn. 1	≥ 1.63 E-3 uci/cc
Condenser Exh. Monitor	RU-141 Chn. 1	≥ 4.60 E-2 uci/cc

___ Alert (EPIP-04)

Plant Vent Monitor	RU-143 Chn. 1	≥ 6.62 E-3 uci/cc
Fuel Bldg Exh. Monitor	RU-146 Chn. 1	≥ 5.91 E-2 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 1	≥ 4.60 E-1 uci/cc

___ Site Area Emergency (EPIP-04)

Plant Vent Monitor	RU-144 Chn. 1	30 min. @ ≥ 2.20 E-1 uci/cc
	RU-144 Chn. 1	2 min. @ ≥ 2.20 uci/cc
Fuel Bldg. Exh. Monitor	RU-146 Chn. 1	30 min. @ ≥ 1.96 uci/cc
	RU-146 Chn. 2	2 min. @ ≥ 1.96 E+1 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 1	30 min. @ ≥ 1.53 E+1 uci/cc
	RU-142 Chn. 2	2 min @ ≥ 1.53 E+2 uci/cc

___ General Emergency (EPIP-04)

Plant Vent Monitor	RU-144 Chn. 1	≥ 4.40 uci/cc
Fuel Bldg. Exh. Monitor	RU-146 Chn. 2	≥ 3.91 E+1 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 2	≥ 3.06 E+2 uci/cc

Appendix B

Non Rx Trip Event Classification Criteria

1.0 Classify non Rx trip events as follows:

1.1 Based on existing plant conditions select the most appropriate event category from below:

Event Category	Tab
Increase in Radiation Levels or Radioactive Effluent Release Rate	1
Technical Specification LCO Nonconformance	2
Degraded Facility Control, Indication, or Alarm	3
Fire and/or Security Compromise	4
Natural Disaster/Physical Hazard to Facility	5
Degraded Electrical	6

1.2 Refer to the indicated tab for the event category chosen and select the classification appropriate for existing conditions.

TAB 1

Increase in Radiation Levels or Radioactive Effluent Release Rate

Notification of Unusual Event (EPIP-03)

- RCS sample activity requires shutdown per Tech Spec 3.4.7
- Rad Protection and/or RMS confirms radioactive effluent releases exceed:

Plant Vent Monitor	RU-143 Chn. 1	> 6.62 E-4 uci/cc
Fuel Bldg. Exh. Monitor	RU-145 Chn. 1	> 1.63 E-3 uci/cc
Condenser Exh. Monitor	RU-141 Chn. 1	> 4.60 E-2 uci/cc

- Transportation of internally or externally contaminated injured person to offsite hospital

Alert (EPIP-04)

- RCS sample activity > 300 uC/gm (DE I-131)

NOTE

Radiation readings "increase by a factor of 1000" refers to unexpected or casualty situations. This is not meant to include normal plant evolutions such as resin transfer or source transport.

- Direct radiation readings within facility increase by a factor of 1000
- Rad Protection and/or RMS confirms radioactive effluent releases exceed:

Plant Vent Monitor	RU-143 Chn. 1	> 6.62 E-3 uci/cc
Fuel Bldg. Exh. Monitor	RU-146 Chn. 1	> 5.91 E-2 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 1	> 4.60 E-1 uci/cc

- RCS leak rate > 50 gpm

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Site Area Emergency (EPIP-04)

- Major damage to spent fuel

- Rad Protection and/or RMS confirms effluent radioactive releases exceed:

Plant Vent Monitor	RU-144 Chn. 1	30 min. @ > 2.20 E-1 uci/cc
	RU-144 Chn. 2	2 min. @ > 2.20 uci/cc
Fuel Bldg. Exh. Monitor	RU-146 Chn. 1	30 min. @ > 1.96 uci/cc
	RU-146 Chn. 2	2 min. @ > 1.96 E+1 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 1	30 min. @ > 1.53 E+1 uci/cc
	RU-142 Chn. 2	2 min @ > 1.53 E+2 uci/cc

- Radiation Protection measures > 50 MR/Hr at site boundary with portable instruments.

General Emergency (EPIP-04)

- Rad Protection and/or RMS confirms effluent radioactive releases exceed:

Plant Vent Monitor	RU-144 Chn. 2	> 4.40 uci/cc
Fuel Bldg. Exh. Monitor	RU-146 Chn. 2	> 3.91 E+1 uci/cc
Condenser Exh. Monitor	RU-142 Chn. 2	> 3.06 E+2 uci/cc

- Radiation Protection measures > 1.0 R/Hr at site boundary with portable instruments

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TAB 2

Technical Specification LCO Non-Conformance

Notification of Unusual Event (EPIP-03)

- Rad Protection and/or RMS confirms section 3/4.11 Tech Spec Radiological Effluent limits exceeded
- RCS activity sample requires shutdown per Tech Spec 3.4.7
- Noncompliance with a technical specification, such that the requirement of the LCO and associated action requirements are not met within the specified time intervals and require reactor shutdown.

Alert (EPIP-04)

- RCS leakrate >50 gpm
- ATWS

Site Area Emergency (EPIP-04) 1 5

None

General Emergency (EPIP-04) 1 5

None

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TAB 3

Degraded Facility Control, Indication and Alarm

Notification of Unusual Event (EPIP-03)

- Degraded control room indication or alarms on process parameters such that plant shutdown is required

Alert (EPIP-04)

- Loss of most or all annunciators
- Evacuation of control roon required or anticipated
- Complete loss of any function needed for plant cold shutdown, when in cold shutdown
- ATWS

Site Area Emergency (EPIP-04)

- Loss of most or all annunciators and plant transient indicated or in progress
- Imminent loss of physical control of the plant
- Complete loss of any function needed for plant hot shutdown, when in hot shutdown
- Control room evacuated and local control of shutdown systems not established within 15 minutes

General Emergency (EPIP-04)

- Loss of physical control of the facility

TAB 4

Fire and/or Security Compromise

Notification of Unusual Event (EPIP-03)

- Fire within the Unit lasting longer than 10 minutes
- Declared Security Emergency
- Declared Security Alert (with offsite authorities notified and immediate response requested)

Alert (EPIP-04)

- Required evacuation of control room
- SS/EC determines that the level of plant safety is substantially reduced due to fire or ongoing security compromise.

Site Area Emergency (EPIP-04)

- Imminent loss of physical control of the plant
- Control room evacuated and local control of shutdown systems not established within 15 minutes
- Fire compromising the operability of safety systems in both trains

General Emergency (EPIP-04)

- Loss of physical control of the plant
- Any major internal or external events which could cause massive damage to plant systems potentially leading to releases of large amounts of radioactivity

TAB 5

Natural Disaster/Physical Hazard to Facility

Notification of Unusual Event (EPIP-03)

- Natural phenomenon beyond usual level experienced or projected

  Earthquake greater than 0.1g ground shaking, flood, tornado onsite

- Other hazards experienced or projected

  Aircraft crash onsite or unusual aircraft activity over facility

  Train derailment onsite

  Explosion near or onsite

  Toxic or flammable gas release near on onsite

  Turbine rotating component failure resulting in rapid shutdown

Alert (EPIP-04)

- Severe natural phenomena experienced or projected with unit in modes 5-6

  Earthquake greater than design levels, 0.2g ground shaking,

  Tornado striking facility, or

  Severe flooding

- Other hazards experienced or projected

  Aircraft crash on facility

  Missile impacts on facility

  Explosion damage to facility affecting plant operation

  Toxic or flammable gas restricts entry to facility environs

Site Area Emergency (EPIP-04)

- Severe natural phenomena experienced or projected with unit in modes 1-4

  Earthquake greater than design levels, 0.2 ground shaking,

  Flood with failure of protection of vital equipment

  Sustained winds in excess of design levels

- Other hazard experienced or projected with unit in modes 1-4

  Aircraft crash affecting vital structures by impact

  Severe damage to safe shutdown equipment by missile or explosion

  Lack of entry into vital areas due to uncontrolled toxic or flammable gas

General Emergency (EPIP-04)

- Any major internal or external events which could cause massive damage to plant systems potentially leading to release of large amounts of radioactivity.

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TAB 6

DEGRADED ELECTRICAL

Notification of Unusual Event (EPIP-03)

- Loss of Offsite Power
  Inability to provide power to both PBA-S03 and PBB-S04 from any offsite 525KV transmission line.

- Loss of Onsite AC Power Capability
  Inability to provide power to NAN-S01 and NAN-S02 or PBA-S03 and PBB-S04 from any source.

Alert (EPIP-04)

NONE

Site Area Emergency (EPIP-04)

NONE

General Emergency (EPIP-04)

NONE

CLASSIFICATION CRITERIA

1.0 CLASSIFICATION CRITERIA

The classification criteria for Notification of Unusual Event through a General Emergency are based on three main considerations:

1) The extent of fission product barrier challenge or failure

2) The projected/actual offsite dose rate associated with radioactivity releases.

3) Potential or actual reductions in the level of plant safety

Evaluation of these criteria allows the development of Emergency Action Levels (EALs) which are independent of event sequences and readily correlate with the symptom/function based Emergency Operating Procedure (EOP) Guidelines.

Using this system, most emergency classifications may be based on the failure of, or challenge to, the fission product barriers. "Failure" of barriers is defined in terms consistent with NUREG-0654, Appendix 1, Example Initiating Conditions - eg: primary coolant leaks of 50 gpm constitutes "failure" of the primary coolant boundary (based on charging pump capacity for 2 pumps minus minimum letdown); 300 uCi/cc dose equivalent I-131 constitutes "failure" of the clad (based on release of 1% equilibrium gas gap equivalent I-131); loss of containment integrity is defined per Technical Specification Section 1.7.

A "challenge" to a barrier is defined as one of the following conditions:

1) Loss of a critical safety function which protects that barrier.

2) An existing situation which will cause a barrier failure within a given time period unless successful corrective actions are implemented.

3) An initiating event which in all probability has damaged a fission product barrier but has yet to be verified.

The SS/EC has the authority to increase the classification above that determined by EPIP-02 when, in his judgement, plant conditions warrant increased response and awareness from offsite personnel and agencies.

Table 3.0 lists indications of barrier challenge/failure for RCS, Clad, Containment, and vital auxiliaries/radiation release.

The fission product barrier criteria is applied to event classification in increasing order of severity as follows:

NOTIFICATION OF UNUSUAL EVENT

1. No loss of and no challenge to a fission product barrier

ALERT

1. A challenge to one barrier, or
2. A verified failure of one barrier

SITE AREA EMERGENCY

1. Challenges to two barriers, or
2. Verified failure of one barrier and a challenge to another, or
3. Verified failure of two barriers

GENERAL EMERGENCY

1. Challenges to all three barriers, or
2. Verified failure of one barrier and challenges to the other two, or
3. Verified failure of two barriers and challenge to the other, or
4. Verified failure of all three barriers

Guidance for evaluation and classification of non Rx trip events is taken directly from NUREG 0654. The arrangement of example situations by event categories provides an efficient method for the operator to make a classification depending upon the severity of the condition.

2.0 EVENT CLASSIFICATION

Appendices A and B present potential plant conditions for consideration in determining event classification. SRO's and Emergency Coordinators responsible for implementing this procedure are required to be familiar with the specific conditions which constitute barrier challenge/failure and those non trip events requiring emergency classification.

Appendix A lists possible challenges/failures that might exist to the fission product barriers. A check by any of the indicated conditions constitutes one barrier challenge or failure. (Therefore, if two conditions under "RCS" are checked, that constitutes two barriers challenged or failed.) Event classification will be made after evaluating the number and extent of barrier challenge/failure along with the projected doses resulting from any offsite releases. The activity release levels associated with emergency classification levels are based on the following NUREG-0654 criteria:

Unusual Event -	Exceed Tech Spec 3/4.11 Radiological Effluent limits.
Alert -	Effluent release rate 10X Tech Spec limits or 1 mR WB @ site boundary for 2 hr release.
Site Area Emergency -	> 50 mR/hr WB @ site boundary for 30 min. release or > 500 mR/hr WB @ site boundary for 2 min release.
General Emergency -	> 1 rem/hr WB @ site boundary.

The Site Area Emergency classification is divided into activity concentrations that must be maintained for either two or thirty minutes in order for the offsite dose limits to be met or exceeded.

Appendix B provides guidance for evaluating conditions not resulting in a Rx trip that require emergency classification per NUREG-0654. Six event categories have been selected, under which, similar non trip events can be listed according to emergency classification. Most classification should be straightforward once the event category has been selected. Event classifications based upon degraded security conditions, however, can be somewhat more involved.

The PVNGS Security Department classifies security infractions into two types:

1. Security Alert

2. Security Emergency

Any declared Security Emergency will be classified as a Notification of Unusual Event. Should any plant damage, loss of facility control, or loss of accessability result from a degraded security condition, the guidelines for upgrading the emergency classification are in Tab 3, Degraded Facility Control, and Tab 5, Physical Hazards to Facility. Should a security compromise further degrade such that a substantial reduction in the level of plant safety occurs, an alert classification is appropriate. The Shift Supervisor's/Emergency Coordinator's judgement will be required to determine the severity of the security intrusion and the likelihood that a fission product barrier might be challenged to warrant the upgraded emergency classification.

Security compromises resulting in a declared Security Alert with immediate response requested from offsite authorities is also classified Notification of Unusual Event. This will ensure notification of appropriate company management personnel to off-normal conditions serious enough to warrant immediate response from offsite authorities. Security Alerts of a less serious nature where offsite authority assistance is requested would not require classification. It should be understood that the key point to consider for classification of Security Alerts is whether offsite authorities are notified to provide immediate response or assistance.

Table 4.0 lists applicable licensee actions per event classification. These actions will be implemented per the direction of the appropriate EPIP.

TABLE 3.0

Indications of Barrier Challenge/Failure

RCS

___ RVLMS indicates voiding in upper plenum

___ RCS pressure > 2750 psia

___ Uncontrolled loss of RCS inventory > 50 gpm

CLAD

___ ATWS

OR

Excessive RCS Activity (> 300 uCi/gm dose equivalent I-131)

___ CET > 700 F

CONTAINMENT

___ Physical breach of containment

OR

CIAS required but not completed (i.e. both automatic valves in a penetration fail to close)

___ H_2 concentration > 3.5% by volume

___ Containment pressure > 50 psig

VITAL AUXILIARIES/RADIATION RELEASE

___ Loss of offsite and onsite AC power (Loss of one or the other requires NUE)

___ Loss of offsite and onsite AC power for longer than 60 minutes

___ Loss of all Class IE DC power.

___ Loss of all Class IE DC power for longer than 15 minutes.

___ Failure of ESF safety systems (both trains) to actuate when required

___ > 10 gpm primary/secondary leakage concurrent with LOP

OR

> 10 gpm primary/secondary leakage concurrent with loss of secondary coolant outside containment.

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TABLE 4.0 LICENSEE ACTIONS

NOTE
Actions are for information only, to be carried out per applicable EPIP

Unusual Event (EPIP-03)

- Inform NRC, State & County authorities of nature of unusual conditions; no release of radioactive material requiring offsite response or monitoring is expected unless further degradation of safety systems occur
- Based on the situation recommend that no protective action is necessary or to standby for update
- Augment onshift resources
- Activate STSC
- Partially activate CHIC
- Terminate with verbal summary to offsite authorities followed by written report within five (5) days

  OR

- Escalate to a higher classification

Alert (EPIP-04)

- Inform NRC, State & County authorities of Alert status/cause; any releases are expected to be limited to small fractions of EPA/PAG exposure levels at the site boundary unless further degradation of safety systems occur
- Recommend to the State that the Public be appraised of the situation and stay tuned to EBS/KTAR radio station
- Augment resources by activating STSC, ISC, OSC, EOF, JENC, CHIC and CEC
- Dispatch (onsite/offsite) Monitoring Teams with assoc. communications equipment
- Provide meteorological assessments to offsite authorities and if releases are occurring, dose estimates for actual releases
- Terminate by verbal summary to offsite authorities followed by written summary within 8 hours

  OR

- Escalate to a higher classification

Site Area Emergency (EPIP-04)

- Inform NRC, State & County authorities of site Area Emergency status/cause; any releases are not expected to exceed EPA/PAG exposure levels beyond the site boundary unless further degradation of safety systems occur
- Recommend to the State that consideration of appropriate protective actions based on actual or projected data is warranted per the appropriate EPIP
- Augment resources by ativtg. STSC, ISC, OSC, EOF, JENC, CHIC, and CEC
- Dispatch (onsite/offsite) Field Monitoring Teams with associated communications equipment
- Provide a dedicated individual for plant status updates to offsite authorities
- Provide meteorological data and dose estimates (for actual releases) to offsite authorities
- Provide release and dose projections based on available plant condition information and foreseeable contingencies
- Terminate (or reduction of) emergency class verbally at EOF followed by written summary within 8 hours

  OR

- Escalate to GENERAL EMERGENCY

General Emergency (EPIP-04)

- Inform NRC, State & County authorities of General Emergency status/cause; any releases can be reasonable expected to exceed EPA/PAG exposure levels offsite for more than the immediate site area
- Recommend to the State that consideration of appropriate protective actions based on actual or projected data is warranted per the appropriate EPIP
- Augment resources by ativtg. STSC, ISC, OSC, EOF, JENC, CHIC and CEC
- Dispatch (onsite/offsite) Field Monitoring with associated communications equipment
- Provide a dedicated individual for plant status updates of offsite authorities
- Make senior technical and management staff available for periodic consultation with NRC and State
- Provide meteorological data and dose estimates (for actual releases) to offsite authorities via a dedicated individual
- Provide release and dose projections based upon available plant condition information and foreseeable contingencies
- Terminate (or reduction of) emergency

*Protective action recommendations are based on plant and containment conditions and these recommendations are made to offsite officials even when no release is in progress

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Manual Number	Responsible Individual	Location	Paper Type	Qty	EPIP #02	EPIP #03	EPIP #05	EPIP #06	EPIP #11	EPIP #12	EPIP #13	EPIP #14A	EPIP #14B	EPIP #14C	EPIP #15	EPIP #16	EPIP #17	EPIP #18	EPIP #19	EPIP #20	EPIP #21	EPIP #22	EPIP #23	EPIP #24	EPIP #25	EPIP #26	EPIP #27	EPIP #28	EPIP #29	EPIP #30	EPIP #31	EPIP #33	EPIP #38	EPIP #56	EPIP #57	Remarks
5-28	Unit 1 Control Room	A/UI-CR	CD	1																															
5-6	Kris Oberdorf	A/UI-Rad Prot	CD	1																															
3-2	Darrel Nissen	A/UI-Maint Shop	CD	1																															
5-43	Unit 1 Radwaste	A/UI-Radwaste	CD	1																															
3-3	Frank Warriner	A/UI-I&C	CD	1																															
5-21	T. Warren	A/UI-Chem Lab	CD	1																															
2-10A	Startup Complex (Upstairs)	E/S/U Complex-Up	CD	1																															
5-94	B. Rogers/TSC	D/TSC-17	CD	1																															
3-5	TSC	D/TSC-17	CD	1																															
3-8	Galon Olson	D/SVC Bldg	CD	1																															
3-4	Steve Grove	B/UII-I&C	CD	1																															
5-112	H.D. Ingalsbe	B/UII Radwaste	CD	1																															
3-11	Maintenance Manager	D/SVC Bldg	CD	1																															
3-5A	TSC E Plan Anal	D/TSC-17	CD	1																															
5-25	Unit 2 Control Room	B/UII-CR	CD	1																															
5-93	Bob Adney	E/Tr-37	CD	1																															
19-1	D. Fasnacht	G/Const DDC	CD	1																															
14-42	Jim St. John	G/BPC	CD	1																															
13-62	Dan Canady	G/Trl next to Visitor Center	CD	1																															
1-7	WRF/DDC	E/Tr-81	CD	1																															
5-110	Unit III Radwaste Library	H/UIII-Radwaste	CD	1																															
5-39	Unit III Control Rm.	H/UIII-CR	CD	1																															
3-33	Unit III I&C	H/UIII-I&C	CD	1																															
5-96	Unit III Radiation Protection	H/UIII-Rad Prot	CD	1																															
6	Jack Martin/Adm.	4057	CBU	1																															Mail to W.F. Quinn Sta: 4057 via Shuttle Bus, on R/A with NRC letter
7	Document Control Desk	4057	CBU	1																															Mail to W.F. Quinn Sta: 4057 via Shuttle Bus, on R/A with NRC letter
8	Document Control Desk	4057	CBU	1																															Mail to W.F. Quinn Sta: 4057 via Shuttle Bus, on R/A with NRC letter
9	Gail M. Temple	4057	CBU	1																															Mail to W.F. Quinn Sta: 4057 via Shuttle Bus, on R/A with NRC letter
10	Falk Kantor	4057	CBU	1																															Mail to W.F. Quinn Sta: 4057 via Shuttle Bus, on R/A with NRC letter

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PALO VERDE NUCLEAR GENERATING STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES

CHANGE LIST DATE 7/16/86

Procedure Number	Procedure Title	Rev.	Date Effective
EPIP-04	ALERT, SITE AREA AND GENERAL EMERGENCY IMPLEMENTING ACTIONS	11	7/16/86

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PVNGS # 1

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PVNGS EMERGENCY PLAN IMPLEMENTING PROCEDURE	PROCEDURE NO. EPIP-04	
ALERT, SITE AREA AND GENERAL EMERGENCY IMPLEMENTING ACTIONS	REVISION 11	Page 1 of 33

AUTHOR G. A. Simiele

REVISED BY G. A. Simiele EXT. 6661

TECH. REVIEWER [signature] DATE 5-9-86

PRB/PRG/TRRG REVIEW [signature] DATE 7/8/86

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DN-1599A/0180A

PV216-000A (8/82)

REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
5	2-28-85	All	Revised Procedure and Appendicies; added steps to clarify procedure and added appendix to provide NAN backup instructions
6		10, 11 and 17	Incorporated PCN #01 of Rev. 5 and added step for cancellation of emergency with group page.
7		3, 5, 7, 8, 9, 10, 13, 14, 17, 18, 19, 20, 22, 24, 25, & 27	Added termination message form and instructions; Capitalized announcements to make easy to indentify; Added step for announcement if accountability is performed; Changed and updated all referrals to various appendices. Also added note to provide guidance on notifications. Added information on 15 minute time requirement.

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REVISION HISTORY

Rev. No.	Date	Revised Pages	Comments
8	09-10-85	4,6,9,11,12	Revised to add new plans #'s
		13,14,21,22	STSC Communicate checklist,
		26,27,29,30	and specific instructions
		33,34,36,37,	for announcements
		38	
9	01-15-86	4,9,10,11,13,	Incorporated PCN #1 and 2 of
		14,15,16,18,	Rev. 8, deleted time/
		19,26,27,28,	initials column in
		29,30,31,32,	Appendices I and J.
		33,34,35,36,	
		37,38	
10			Consolidated EPIP-04,
			EPIP-05 and EPIP-06.
11	7-16-86	All	Complete Rewrite

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APPENDICES

1.0 OBJECTIVE

1.1 This procedure provides a series of implementing actions to be taken upon declaration of an ALERT, Site Area Emergency or General Emergency.

2.0 REFERENCES

2.1 Implementing References

2.1.1 EPIP-02, "Emergency Classification"

2.1.2 EPIP-11, "Technical Support Center/Satellite TSC Activation"

2.1.3 EPIP-12, "Operations Support Center Activation"

2.1.4 EPIP-13, "Emergency Operations Facility Activation"

2.1.5 EPIP-14A, "Release Rate Determination"

2.1.6 EPIP-14B, "Initial Dose Assessment"

2.1.7 EPIP-15, "Protective Action Guidelines"

2.1.8 EPIP-16, "Inplant Surveys and Sampling"

2.1.9 EPIP-17, "Onsite/Offsite Surveys and Sampling"

2.1.10 EPIP-18, "Emergency Exposure Guidelines"

2.1.11 EPIP-19, "Onsite Evacuation"

2.1.12 EPIP-20, "Personnel Assembly and Accountability"

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"

2.1.17 EPIP-25, "Reentry for Recovery Operations"

2.1.18 EPIP-26, "Potassium Iodide (KI) Administration"

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, "Document/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.

3.3 The ENS must be manned continuously at the NRC's request.

4.0 DETAILED PROCEDURE

4.1 Personnel Indoctrination/Responsibilities

4.1.1 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 Supervisors 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.

4.3.1.2 The Emergency Coordinator shall provide overall direction and control of the ONSHIFT emergency response as per Appendix I - Emergency Coordinator Response.

NOTE

The Satellite TSC Communicator shall respond as per Appendix J, "STSC Communicator Response."

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, and make notifications per Appendix A.

4.3.1.4 Notify the Control Rooms of the unaffected units.

4.3.1.5 Recommend protective actions in accordance with Appendix H, "Protective Action Recommendations".

NOTE

Assembly and accountability may be performed at the Emergency Coordinator's discretion during an ALERT. It shall be performed during a SITE AREA or GENERAL EMERGENCY classification. Evacuation shall be at the Emergency Coordinator's discretion during any classification.

ACCOUNTABILITY NOT PERFORMED

4.3.1.6 Ensure the following announcement is made over the plant wide telephone page (phone no. [redacted]

"ATTENTION ALL PLANT PERSONNEL, AN EMERGENCY SITUATION CLASSIFIED AS _____ EXISTS IN UNIT _____. ALL AFFECTED UNIT EMERGENCY RESPONSE PERSONNEL AND ALTERNATES REPORT TO YOUR EMERGENCY LOCATION. ALL OTHER PERSONNEL STANDBY UNTIL FURTHER NOTICE. (Provide instructions on route(s) or area(s) to avoid as appropriate and repeat the announcement).

4.3.1.7 Ensure the announcement in step 4.3.1.6 is repeated over the site warning siren/public address system.

ACCOUNTABILITY PERFORMED

4.3.1.8 Ensure the accountability signal is sounded for approximately one (1) minute to alert personnel.

4.3.1.9 Ensure the following announcement is made over the plant wide telephone page (phone no. [redacted]

"ATTENTION ALL PLANT PERSONNEL. AN EMERGENCY SITUATION CLASSIFIED AS _____ EXISTS IN UNIT _____. ALL AFFECTED UNIT EMERGENCY RESPONSE PERSONNEL AND ALTERNATES REPORT TO YOUR EMERGENCY LOCATION. ALL OTHER PERSONNEL REPORT TO YOUR ASSIGNED ASSEMBLY AREA." (Provide instructions on route(s) or area(s) to avoid as appropriate).

4.3.1.10 Ensure the announcement in step 4.3.1.9 is repeated over the Site Warning Siren/Public Adddress System.

4.3.1.11 Ensure the accountability signal is resounded and steps 4.3.1.9 and 4.3.1.10 are repeated once.

4.3.1.12 Ensure that the actions of the appropriate Recovery procedures have been implemented.

4.3.1.13 Direct the STSC Communicator (or Government Liaison Engineer) to prepare Appendix D, "Followup Emergency Message Form" in accordance with instructions provided in Appendix F.

4.3.2 PVNGS Security, after being notified by the Emergency Coordinator or STSC Communicator that an emergency situation is in progress or has occurred, or has been terminated, shall complete Appendix B, "Emergency Notification Call List - PVNGS Security," and notify these individuals or departments of the situation.

4.3.3 Emergency Situation Terminated

NOTE

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

4.3.3.1 The Shift Supervisor (or Emergency Coordinator) shall ensure the All Clear signal is sounded for approximately (1) minute and that the following announcement is made over the plant wide telephone page (phone no. [redacted]

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

4.3.3.2 Ensure the announcement in step 4.3.3.1 is repeated over the Site Warning Siren/Public Address System.

4.3.3.3 Ensure steps 4.3.3.1 and 4.3.3.2 are repeated once.

4.3.3.4 Direct the STSC Communicator (or Government Liaison Engineer) to fill out Appendix E, "Emergency Termination Message Form," per instructions provided in Appendix F.

4.3.3.5 Direct the STSC Communicator (or Government Liaison Engineer) to transmit the termination per Appendix A.

4.3.3.6 At closeout or reduction of the emergency classification, the S.S./E.C. shall notify the PVNGS Compliance Dept. at ext. [redacted] or beeper [redacted] or [redacted] 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.

4.3.4 Record Retention

4.3.4.1 A copy of Appendices A, B, C, D and E shall be turned over to the Emergency Planning Dept., mail station 6010, for their review. The Operations Dept. will forward the originals to DDC for proper storage in accordance with 9N219.05.00, "Document/Record Turn Over Control."

EMERGENCY NOTIFICATION CALL LIST
EMERGENCY COORDINATOR/SISC COMMUNICATOR

AGENCY OR INDIVIDUAL	PRIMARY LINK	ALTERNATE LINK	ALTERNATE LINK	INITIAL DATE/TIME	INITIAL CALLER	TERMINATION DATE/TIME	TERMINATION CALLER
Arizona Department of Public Safety	NAN	Radio System Channel 8 Frequency		/		/	
Maricopa County Sheriff's Office	NAN	Radio System Channel 8 Frequency		/		/	
Arizona Radiation Regulatory Agency	NAN	Radio System Channel 8 Frequency		/		/	
Arizona Division of Emergency Services	NAN	Radio System Channel 8 Frequency		/		/	
Maricopa County Department of Civil Defense and Emergency Services	NAN	Radio System Channel 8 Frequency	[redacted]	/		/	
PVNGS Security			N/A	/		/	
Group Paging System #1			N/A	/		/	
Group Paging System #2			N/A	/		/	
PVNGS Plant Manager			N/A	/		/	
Operations Manager			N/A	/		/	
Manager *			N/A	/		/	
Maintenance Manager *			N/A	/		/	
Dispatcher (SOC)	Dispatch Phone			/		/	
NRC Headquarters	ENS			/		/	

*Call these personnel in sequence until one of them is reached only if unable to contact PVNGS Plant Manager or Operations Manager.

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EMERGENCY NOTIFICATION CALL LIST - PVNGS SECURITY

AGENCY OR INDIVIDUAL	PRIMARY LINK	ALTERNATE LINK	INITIAL DATE/TIME	INITIAL CALLER	TERMINATION DATE/TIME	TERMINATION CALLER
Corporate Security			/		/	
Site Construction Security Office			/		/	
Nuclear Administration			/		/	
ANPP Communications*			/		/	
ANPP Site Construction Office*			/		/	
Bechtel Emergency Control Center			/		/	
Activate Autodialer						

*Available during working hours only.

INITIAL EMERGENCY MESSAGE FORM
NOTIFICATION OF UNUSUAL EVENT,
ALERT, SITE AREA EMERGENCY, OR GENERAL EMERGENCY

1. Verbatim text of Message: THIS IS (IS NOT) A DRILL (Circle One) THIS IS PALO VERDE NUCLEAR GENERATING STATION (NOTIFICATION OF UNUSUAL EVENT) (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY)
(circle applicable classification)
declared at _____ (time) - _____ (date) - Wind is from _____ degrees - At _____ (speed) mph.

PALO VERDE AUTHENTICATOR _____
(authenticator letters)

2. This is _____, at the Palo Verde Nuclear Generating Station
(name/title)
Unit ____.

3. (Circle One)

(a) There is NO, repeat NO, radioactive release taking place and no special protective actions are recommended at this time.

OR

(b) There is NO, repeat NO, radioactive release in excess of allowable operating limits and NO protective actions are recommended at this time.

OR

(c) There is NO, repeat NO, radioactive release taking place at this time. However, the following protective actions are recommended.

Sectors	Distance (Miles)
_____	_____
_____	_____

OR

(d) A radioactive release IS, repeat IS, taking place. We recommend that people in affected sectors remain indoors with windows and doors closed.

Sectors	Distance (Miles)
_____	_____
_____	_____

OR

(e) A radioactive release IS, repeat IS, taking place. We recommend that evacuation of affected sectors be considered.

Sectors	Distance (Miles)
_____	_____
_____	_____

4. THIS IS (IS NOT) A DRILL (Circle One)

Approved _____
(EC/EOD) Date Time

FOLLOW-UP EMERGENCY MESSAGE FORM

1. Verbatim text of Message: THIS IS (IS NOT) A DRILL (Circle One) THIS IS A PALO VERDE NUCLEAR GENERATING STATION follow-up information message concerning the (NOTIFICATION OF UNUSUAL EVENT) (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY)
   (circle applicable classification)

   declared at _____ - _____
   (time) (date)

2. This is _____, at Palo Verde Nuclear Generating Station
   (name/title)
   Unit ____.

3. Brief description of event _____

   _____

   _____

   _____

   _____

   _____

4. Meteorological Data

   a. Wind direction from _____ (degrees) - at _____ miles per hour
   (direction) (speed)

   from _____ to _____
   (sector) (sector)

   b. Stability Class: A B C D E F G
   (Circle One)

   c. Precipitation Yes No
   (Circle One)

5. Radiological Data

   a. Radioactivity (check one)

   ( ) Has been released
   ( ) Has not been released

5. b. Release Time _____

   c. Reactor Trip Time _____

   d. Location/Source of Release _____

6. Current Release Rates

   a. I-131 Equivalent _____ Ci/second
   b. Noble Gas _____ Ci/second
   c. Particulates _____ Ci/second

7. Two-hour plume centerline projected dose at:

Distance	Sector	Whole Body Dose (REM)	Child Thyroid Dose Commitment (REM)
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 _____ minutes

10. Following Emergency Measures Including Protective Actions are Recommended:

_____

_____

_____

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11. The Following Emergency Response Actions are Underway:

_____

_____

_____

12. We Request the Following Onsite Support and Assistance from Offsite Sources:

_____

_____

_____

13. Our Prognosis of the Emergency is that Conditions:

_____ Are Under Control

_____ Can be Expected to Terminate Within _____ hours

_____ Are Worsening

14. Other Information:

a) Power Prior to Event (%) _____

b) Current Power or Mode _____

c) Mode of Operation till Correction _____

d) Estimated Time to Restart _____

15. THIS IS (IS NOT) A DRILL (Circle One)

Approved: _____
(EC/EOD) Date/Time

EMERGENCY TERMINATION MESSAGE FORM

1. Verbatim text of message: THIS IS (IS NOT) A DRILL!! (Circle One) THIS IS PALO VERDE NUCLEAR GENERATING STATION. THE (NOTIFICATION OF UNUSUAL EVENT) (ALERT) (SITE AREA EMERGENCY) (GENERAL EMERGENCY) (circle approprite classification) DECLARED AT _____ (Time) - _____ (Date) HAS BEEN TERMINATED AT _____ (Time) - _____ (Date).

2. This is _____ (Name) _____ (Title), at Palo Verde Nuclear Generating Station Unit _____.

3. PALO VERDE AUTHENTICATOR _____ (Authenticator Letters).

Approved: _____ (EC/EOD) Date/Time

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INSTRUCTIONS FOR COMPLETING APPENDIX C, D OR E

1.0 Initial Emergency Message Form (Appendix C)

1.1 Obtain Authenticator from the confidential envelope marked on the outside with the appropriate month and a drill sequence number (if it is a drill).

1.2 Using ERFDADS, call up the current meteorological data using the fifteen minute average channel and thirty-five foot data.

1.3 Fill in data required by Steps 1 and 2 of Appendix C, "Initial Emergency Message Form."

1.4 Obtain from the Radiation Protection Monitor (onshift) or the Radiological Assessment Coordinator (if EOF is activated) data required to complete Step 3 of Appendix C.

1.5 Circle appropriate wording of Step 4 of Appendix C.

NOTE

When the NAN ring button is pushed and it appears that all the receiving stations are on line or the ring has stopped, the PVNGS originating station shall initiate a roll call in order listed below. (Consider the time of day)

NOTE

If the NAN dedicated telephone fails, refer to Appendix G, "Notification Alert Network (NAN) Radio Backup," for instructions on using channel 8, KON-511, for notification.

1.6 By means of a single call on the Notification and Alert Net dedicated telephone, contact the following State/County agencies listed in Appendix A.

Duty Hours (8:00 a.m. to 5:00 p.m. Monday-Friday)

Maricopa County Sheriff's Office
Maricopa County Department of Civil Defense and Emergency Services
Arizona Department of Public Safety
Arizona Division of Emergency Services
Arizona Radiation Regulatory Agency.

Off-Duty Hours (5:00 p.m. to 8:00 a.m., Monday-Friday, all day Saturday, Sunday and Holidays)

Maricopa County Sheriff's Office
Department of Public Safety

1.7 In the event that an offsite government agency (or agencies) does not answer the NAN phone or NAN backup radio during a test, drill or actual emergency, the nuclear operator (or STSC Communicator) shall notify the agency via regular PBX telephone (numbers listed in Appendix A).

1.8 When contact is made, the caller shall identify himself and request that the individuals obtain a copy of the appropriate Emergency Message Form.

1.9 When each individial has obtained a copy, read the completed Emergency Message Form verbatim and request MCSO to read back verbatim. Perform warning point roll call.

1.10 Offer to repeat information and reiterate as necessary.

NOTE

To verify the group page activation monitor the pager installed in the STSC. Be aware that as much as two (2) minutes may lapse between dial-up and the broadcast announcement.

1.11 - Notify additional personnel as listed in Appendix A and inform them of the situation. Provide the following message for both Group Paging Systems Notification/Callout:

"THIS IS PVNGS, UNIT ____, CLASSIFICATION TWO, PLEASE RESPOND APPROPRIATELY." (Repeat message once).

1.12 If an individual requests information not contained in the Emergency Message Form, make reasonable efforts to obtain and give the information only after all initial notifications have been made.

1.13 Contact the NRC via the Emergency Notification System (ENS) dedicated telephone within 60 minutes of declaring an emergency. If the ENS fails, use the commercial telephone as an alternate line.

1.14 When contact is made, the caller shall identify himself and read the completed Emergency Message Form verbatim (omit the Palo Verde Authenticator).

1.15 Offer to repeat information and reiterate as necessary.

2.0 Follow-up Emergency Message Form (Appendix D)

2.1 Fill in data required by Steps 1-3 of Appendix D, "Follow-up Emergency Message Form."

NOTE

If the emergency is non-radiological in nature, steps 4-9 may be deleted.

2.2 Obtain the Radiation Protection Monitor or the Radiological Assessment Coordinator (if EOF is activated) data required to complete Steps 4-9.

2.3 Obtain the Emergency Coordinator or the Technical Analysis Coordinator (if EOF is activated) data required to complete Steps 10-14.

2.4 Circle appropriate wording in Step 15.

2.5 Dispense information when asked by offsite Agencies (NRC or ARRA).

3.0 EMERGENCY TERMINATION MESSAGE FORM (APPENDIX E)

3.1 Fill in data required by steps 1-3 of Appendix E. "Emergency Termination Message Form."

3.2 Obtain approval from EC/EOD.

3.3 Transmit termination per Appendix A.

NOTE

To verify the group page activation monitor the pager installed in the STSC. Be aware that as much as two (2) minutes may lapse between dial-up and the broadcast announcement.

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

"THIS IS PVNGS. THE [illegible] EMERGENCY TERMINATED. PLEASE CANCEL RESPONSE TO EMERGENCY."

NOTIFICATION ALERT NETWORK (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 'KON511' be used to precede and conclude all outgoing communications.

1. Depress Alert Tone button (on Radio Control Panel) for 3 to 4 seconds, wait for a second. Depress again for 3 to 4 seconds.

2. 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. 5-1-1 Palo Verde to all 5-1-1 stations, stand by for Warning Point roll call."

3. Wait thirty 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 on holidays, Maricopa County Sheriff's Office (MCSO) and Department of Public Safety (DPS) will be the only agencies responding.

4. Initiate roll call of the offsite government agencies, allowing stations on the net to respond.

   4.1 "5-1-1 Palo Verde to 5-1-1 Maricopa County Sheriff's Office. Do you copy?"
   Allow Response: "5-1-1 MCSO copies."

   4.2 "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."

   4.3 "5-1-1 Palo Verde to 5-1-1 Department of Public Safety. Do you copy?"
   Allow response: "5-1-1 DPS copies."

   4.4 "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."

   4.5 "5-1-1 Palo Verde to 5-1-1 Arizona Radiation Regulatory Agency. Do you copy?"
   Allow response: "5-1-1 ARRA copies."

5. 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.

6. 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 notifications per Step 1.11 Appendix F.

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PV216-000A (8/82)

PROTECTIVE ACTION RECOMMENDATIONS

CONDITION	RECOMMENDED ACTION
1. Notification of Unusual Event declared.	Inform state and county authorities of status/cause and, based on situation recommend that no protective action is necessary or standby for update if situation worsens.
2. An ALERT has been declared.	Inform state and county authorities of Alert status/cause and recommend that the public be apprised of the situation and stay tuned to EBS/KTAR radio station.
3. A Site Area Emergency has been declared.	Inform state and county authorities of Site Area Emergency status/cause and consider recommending seeking shelter within a 2-mile radius of the plant as warranted based on plant/containment conditions.
4. A General Emergency has been declared.	Shelter within 2-mile radius and 5 miles in potentially affected sectors.*
5. EPA Protective Action Guidelines are projected to be exceeded.	In accordance with EPA Protective Action Guidelines:
a) whole body 1 rem to 5 rems thyroid 5 rems to 25 rems	Recommend shelter, as a minimum, for affected sectors* and consider evacuation unless time constraints make it impractical.
b) whole body 5 rems thyroid 25 rems	Recommend evacuation for affected sectors* or shelter for those areas that cannot be evacuated before plume arrival.

*NOTE: Affected sectors include, as a minimum, the downwind sector(s) and adjacent sectors. For plumes in sectors P, Q, or N, two sectors on either side of the affected sector shall be included in the recommendation (e.g., a plume in sector P shall require consideration of sectors M, N, Q and R).

PROTECTIVE ACTION RECOMMENDATIONS

CONDITION	RECOMMENDED ACTION
6. Loss of physical control of the plant to intruders.	Evacuation for 2-mile radius and 5 miles in potentially affected sectors.*
7. Substantial core damage has occurred or is projected to the extent that 20% of fuel clad gap activity is released from fuel.	Evacuation for 2-mile radius and 5 miles in potentially affected sectors.*
8. Large fission product inventory (greater than fuel clad gap activity) has been released to containment.	Evacuation for 5-mile radius and 10 miles in potentially affected sectors.*
9. Imminent containment failure is projected such that a "puff" release greater than design leak rate will occur, in conjuction with 7. or 8. above.	Shelter for areas that cannot be evacuated before plume arrival; evacuation of remainder of 5-mile radius and 10-mile in potentially affected sectors.*

*NOTE: Affected sectors include, as a minimum, the downwind sector(s) and adjacent sectors. For plumes in sectors P, Q, or N, two sectors on either side of the affected sector shall be included in the recommendation (e.g., a plume in sector P shall require consideration of sectors M, N, Q and R).

EMERGENCY COORDINATOR RESPONSE
STSC ACTIVATED

POSITION FILLED BY:

(1) PVNGS Plant Manager
(2) Manager, Technical Support
(3) Shift Supervisor, Unaffected Unit

RESPONSIBILITY: 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/EOF	5 - 8

INITIAL RESPONSE

1. Receive notification from the Shift Supervisor and report to the Control Room of the affected unit and assume the position of ONSHIFT Emergency Coordinator.

2. Ensure plant wide public address announcement is made as per steps 4.3.1.6, 4.3.1.7 or 4.3.1.9, 4.3.1.10 of this procedure as appropriate.

3. Review plant status, initiating event, corrective actions and emergency classification with the Shift Supervisor per EPIP-02, "Emergency Classification."

EMERGENCY COORDINATOR RESPONSE
STSC ACTIVATED

4. Activate the Satellite STSC per EPIP-11, "Technical Support Center/Satellite TSC Activation."

5. Commence notification process per Appendix F or direct the STSC Communicator to do so.

   (1) Direct the Security Director to call in the PVNGS onsite and offsite Emergency Organization personnel.

6. Provide plant wide public address announcement when the STSC is activated.

7. Verify personnel resources are on standby in the OSC.

8. Reevaluate the emergency classification as conditions change per EPIP-02 "Emergency Classification," reclassify as necessary.

9. As necessary, direct implementation of EPIP-23, "Fire Fighting" and EPIP-22, "Personnel Injury."

   (1) For a fire, dispatch the Fire Team and order the Security Director to contact the Bechtel or alternate offsite fire department for assistance (if required).

   (2) For personnel injury, contact the First Aid Station and inform them of the situation. Dispatch a First Aid Team, if necessary, and coordinate any required offsite assistance.

10. Determine any additional protective action recommendations to be provided to state and county response agencies per Appendix H, "Protective Action Recommendations."

11. As appropriate, complete Follow-up Emergency Message Form.

12. Determine the need for offsite support and direct the STSC Communicator to call location(s) in EPIP-33, "Offsite Assitance" and arrange access with the Security Director per EPIP-24, "Security."

EMERGENCY COORDINATOR RESPONSE
STSC ACTIVATED

Personnel Assembly and Accountability
(If Assembly/Accountability Performed)

13. Within 30 minutes of the accountability signal receive a report on accountability in the protected area from the Security Director.

14. Be prepared to implement EPIP-21, "Search and Rescue" by providing necessary data to the OSC Coordinator.

15. Receive report on site area accountability.

Emergency Exposures and KI

16. Per EPIP-18, "Emergency Exposures Guidelines," and as necessary, authorize emergency exposures.

17. As necessary, authorize administration of KI per EPIP-26, "Potassium Iodide (KI) Administration" to emergency workers desiring to use it. Consult with the Radiation Protection Monitor.

OSC Activation

18. If a release is occurring, consult EPIP-12, "Operations Support Center Activation," to determine habitability of primary OSC.

19. If uninhabitable, direct the OSC Coordinator to relocate staff and equipment/supplies to the alternate OSC (Unaffected Unit). If this is also uninhabitable, direct an OSC Coordinator to relocate to a protected area (Control Room/ STSC, TSC or EOF).

Security

20. As necessary, implement EPIP-24, "Security" and order the Security Director to limit access to the station,contact the 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.

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

EMERGENCY COORDINATOR RESPONSE
STSC ACTIVATED

Corrective Actions

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

Assessment Actions

23. Ensure that the Radiation Proection Monitor 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

24. Continue to evaluate the need for providing any additional protective action recommendations to state and county agencies.

NOTE

The following actions are required only if assembly and accountability have been initiated.

25. Determine the need for early dismissal/evacuation of non-essentials per EPIP-19, "Onsite Evacuation."

26. Establish evacuation order, offsite reassembly area, evacuation route and inform the Security Director.

27. Order evacuation signal when the Security Director reports that preparations are complete.

TSC Activation and Transfer to Authority

28. When relieved by the onsite Emergency Coordinator, provide a briefing and transfer responsibilities.

Event Termination or Reduction

29. Contact PVNGS Compliance at ext. [redacted] or beeper [redacted] to provide written summary within 8 hours to offsite authorities. Provide documentation as requested.

EMERGENCY COORDINATOR RESPONSE
TSC AND EOF ACTIVATED

INTIAL RESPONSE

1. Receive notification from the onshift Emergency Coordinator and report to the TSC or Control Room of affected unit. Upon arrival at the TSC, sign in on the TSC Staffing Board.

2. Receive a briefing from the onshift Emergency Coordinator and assume responsibilities.

3. Brief TSC staff and evalute 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 a site wide public address announcement. This notification may be delegated to the Information Monitor in the TSC.

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.

SUBSEQUENT RESPONSE

7. Reevaluate the emergency classifications conditions change per EPIP-02, reclassify as necessary.

8. As necessary, direct implementation of EPIP-23, "Fire Fighting" and EPIP-22, "Personnel Injury."

   (1) For a fire, dispatch Fire Team and order the Security Director to contact the Bechtel or alternate offsite fire department for assistance (if required).

   (2) For pesonnel injury, contact the First Aid Station and inform them of the situation. Dispatch a First Aid Team, if necessary, and coordinate any required offsite assistance.

9. Determine the need for offsite support and direct a Communicator to call locations(s) in EPIP-33, "Offsite Assistance" and arrange access with the Security Director per EPIP-24, "Security," and coordinate with the Administration and Logistics Coordinator at the EOF.

EMERGENCY COORDINATOR RESPONSE
TSC AND EOF ACTIVATED

Personnel Assembly and Accountability
(If Assembly/Accountability Performed)

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, "Search and Rescue," by providing necessary data to the OSC Coordinator (via Emergency Maintenance Coordinator).

12. Receive report on site area accountability

Emergency Exposures and KI

13. Per EPIP-18, "Emergency Exposure Guidelines" and as necessary, authorize emergency exposures.

14. As necessary, authorize administration of KI per EPIP-26 to emergency workers desiring to use it. Consult with the Radiological Protection Coordinator.

OSC Activation

15. If a release is occurring, consult EPIP-12, "Operations Support Center Activation" to determine habitability of primary OSC.

16. 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).

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.

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

EMERGENCY COORDINATOR RESPONSE
TSC AND EOF ACTIVATED

Corrective Action

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

NOTE

The following actions are required only if assembly and accountability have been initiated.

21. Determine the need for early dismissal/evacuation of non-essentials per EPIP-19, "Onsite Evacuation."

22. Establish evacuation order, offsite reassembly area, evacuation route and inform the Security Director.

23. Order evacuation signal when the Security Director reports that preparations are complete.

Recovery

24. Consult with the Emergency Operations Director concerning implementing EPIP-31, "Recovery."

Event Termination or Reduction

25. Contact PVNGS Compliance at ext. [redacted] or beeper [redacted] to provide written summary within 8 hours to offsite authorities. Provide documentation as requested.

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STSC COMMUNICATOR RESPONSE

POSITION FILLED BY:

Nuclear Operator from affected unit

RESPONSIBILITY: Initiate the notification process as directed by the onshift Emergency Coordinator. Ensure operability of communications equipment. Maintain communications logbook.

IMMEDIATE ACTIONS

STSC Activation

1. Report to the STSC upon notification.

Notification of ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

2. Complete the Initial Emergency Message Form as directed by the Onshift Emergency Coordinator or Shift Supervisor.

NOTE

If the emergency situation is terminated before initial notifications are finished, complete the notifications per Appendix A and 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.

3. Initiate notification process per Appendix F as directed by the Emergency Coordinator (or Shift Supervisor in his absence).

4. Inform the Emergency Coordinator when initial notifications are complete.

5. Contact the Security Director and inform him to call in additional personnel if so directed by the Emergency Coordinator.

6. Prepare the Follow-up Emergency Message Form as directed by the Emergency Coordinator.

* 7. Provide follow-up information when requested by the State/County agencies.

Notification of ALERT, SITE AREA EMERGENCY, GENERAL EMERGENCY

* 8. Maintain records of communications received or transmitted offsite.

Offsite Assistance

9. Contact required offsite assitance (EPIP-33, "Offsite Assitance", Appendix A) via telephone if directed by the Emergency Coordinator.

10. Record name and time on "Telephone Communication Log Sheet," (EPIP-33, Appendix B).

11. Transfer call to Emergency Coordinator for clarification, if necessary.

12. Inform the Emergency Coordinator of contact/lack of contact, scope of offsite assistance and estimated time of arrival.

ACTIVATION OF ONSITE EMERGENCY ORGANIZATION

13. Transfer continuous communications link with the NRC to the NRC Liaison - Operations in the TSC.

14. Review status of notifications and transfer responsibility for notifying State/County agencies and NRC to Government Liaison Engineer in the EOF.

15. Notify the Emergency Coordinator when responsibilities have been transferred to the Government Liaison Engineer.

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*Continuing Activity.

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

August 8, 1986

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.

Donnie H. Grimsley

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

Attachment: As stated