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EMERGENCY PLAN PROCEDURE INDEX

PROCEDURE	REV.	ATAT D	DATE SIGNED DATE OF LAST
NUMBER EP-101	NO.	TITLE Classification of	BY SUPER. PERIODIC REVIEW
EP-101	4	Emergencies	09/27/84
EP-102	4	Unusual Event Response	07/20/84
EP-103	4	Alert Response	07/20/84
EP-104	4	Site Emergency Response	07/20/84
EP-105	4	General Emergency Response	07/20/84
EP-106	1	Written Şummary Notification	06/08/84
EP-110	2	Personnel Assembly and Accountability	06/08/84
EP-120	1	Site Emergency Coordinator	06/08/84
EP-201	1	Technical Support Center (TSC) Activation	06/08/84
EP-202	2	Operations Support Center (OSC) Activation	09/25/84
EP-203	2	Emergency Operations Facility (EOF) Activation	09/27/84
EP-208	2	Security Team Activation	06/08/84
EP-210	1	Dose Assessment Team	06/08/84
EP-220		CANCELLED	877
EP-221	1	Personnel Dosimetry, Bioassa and Respiratory Protection Group	y. 08/08/84
EP-222	2	Field Survey Group	07/17/84
EP-230	3	Chemistry Sampling and Analysis Team Activation	A ADAGONA
EP-231	4	Operation of Post- Accident Sampling Systems (PASS)	08/07/8414 WHEN RED WALLD ONLY WHEN RED
EP-232		CANCELLED	WALID UNLY
EP-233	3	Petrieving and Changing Sample Filters and Cartridges from the Containment Leak Detector	
		During Emergencies	07/20/84

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EMERGENCY PLAN PROCEDURE INDEX

PROCEDURE	REV.		DATE SIGNED DATE OF LAST
NUMLER	NO.	TITLE	BY SUPER. PERIODIC REVIEW
EP-234	3	Obtaining Containment	
		Gas Samples from the	
		Containment Leak Detector	and the second
		During Emergencies	07/20/84
EP-235	3	Obtaining Reactor Water	
		Samples from Sample	
		Sinks Following	김 사람은 물질을 다 다 가지 않는 것이 같을 것 같다.
		Accident Conditions	07/20/84
EP-236	3	Obtaining Cooling Tower	
		Blowdown Line Water	
		Samples Following	
	÷	Radioactive Liquid	
		Release after Accident	
		Conditions	08/07/84
EP-237	3	Obtaining the Iodine/	
		Particulate and/or Gas	
		Samples from the North	
		Vent Wide Range Gas	
		Monitor (WRGM)	07/20/84
EP-238	3	Obtaining Liquid Radwaste	
		Samples from Radwaste	
		Sample Sink Following	
		Accident Conditions	07/20/84
EP-240	2	Obtaining Off-Gas	
		Samples from the Air	
		Ejector/Holdup Pipe	
		Discharge Sample Station	06/08/84
EP-241	3	Sample Preparation and	
		Handling of Highly	
		Radioactive Liquid	
		Samples	07/20/84
EP-242	3	Sample Preparation and	
		Handling of Highly	
		Radioactive Particulate	
		Filters and Iodine	
		Cartridges	07/20/84
EP-243	4	Sample Preparation and	
		Handling of Highly	
		Radioactive Gas	
		Samples	08/06/84
EP-244	0	Offsite Analysis of	
		High Activity Samples	06/08/84
EP-250	1	Personnel Safety Team	
		Activation	06/08/84

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PROCEDURE	REV.		DATE SIGNED DATE OF LAST
NUMBER	NO.	TITLE	BY SUPER. PERIODIC REVIEW
EP-252	2	Search and Rescue/First	
		Aid	07/20/84
EP-254	1	Vehicle and Evacuee	00/00/01
		Control Group	06/08/84
EP-255	1	Vehicle Decontamination	06/08/84
EP-260	1	Fire and Damage	
		Team Activation	06/08/84
EP-261	1	Damage Repair Group	06/08/84
EP-272	1	Philadelphia Electric	00/08/04
ut 6/6	*	Company Officials	06/08/84
EP-273	1	Limerick Station	00/00/04
	-	Supervision Call List	06/08/84
00-275			
EP-275 EP-276	1	CANCELLED	
EP-270	+	Fire and Damage Team Phone List	06/08/84
EP-277	1	Personnel Safety	00/00/04
DE-2/1	-	Team Phone List	05/08/84
EP-278	0	Security Team Phone	03/00/04
		List	12/27/83
EP-279	1	Emergency Operations	
		Facility (EOF) Group	
and the second second		Phone List	06/08/84
EP-280	2	Technical Support	
		Center Phone List	09/27/84
EP-282	1	Government and	and the second
		Emergency Management	
		Agencies	06/08/84
EP-284	2	Company Consultants	
		and Contractors	
		Phone List	09/27/84
EP-287	1	Nearby Public and	
		Industrial Users of	00/00/01
		Downstream Water	06/08/84
EP-291	2	Staffing Augmentation	09/27/84
EP-292	3	Chemistry Sampling and	
		Analysis Team Phone	
Statistics.	6	List	09/27/84
EP-294	1	Dose Assessment Team	And the set of the second s
		Phone List	06/08/84
EP-301	0	Operating the Evacuation	
		Alarm and River Warning	the second s
		System	11/11/83

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PROCEDURE	REV.	OT OT P	DATE SIGNED DATE OF LAST
NUMBER	NO.	TITLE	BY SUPER. PERIODIC REVIEW
EP-303	2	Local Evacuation	04/02/84
EP-304	2	Partial Plant Evacuation	07/09/84
EP-305	2	Site Evacuation	09/25/84
EP-306	0	Evacuation of the	
		Information Center	12/27/83
EP-307	1	Reception and Orientation	
		of Support Personnel	06/08/84
EP-312	0	Radioactive Liquid	
		Release	11/30/83
EP-313	1	Distribution of Thyroid	
		Blocking Tablets	06/08/84
EP-315	0	Calculation of Offsite	
		Doses During a	
		Radiological Emergency	
		Using RMMS in the	
		Manual Mode	07/17/84
EP-316	1	Cumulative Population	
		and Near Real-Time	
		Emergency Dose	
		Calculations for	
*		Airborne Releases	
		Manual Method	07/24/84
EP-317	0	Determination of	Walkers and the second s
		Protective Action	
		Recommendations	12/27/83
EP-318	0	Liquid Release Dose	
		Calculations Method for	
		Drinking Water	11/30/83
EP-319	0	Fish Ingestion Pathway	
		Dose Calculation	11/30/83
EP-325	0	Use of Containment	
		Radiation Monitors to	
		Estimate Release Source	
		Term	12/29/83
EP-330	2	Emergency Response	
		Facility Habitability	07/20/84
EP-401	1	Entry for Emergency	
		Repair and Operations	06/08/84
EP-410	1	Recovery Phase	
		Implementation	06/08/84
EP-500	1	Review and Revision	
		of Emergency Plan	06/08/84

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-101 CLASSIFICATION OF EMERGENCIES

1.0 PURPOSE

The purpose of this procedure is to provide guidelines for classifying an event or condition into one of four emergency classifications as described in the Emergency Plan. Additionally this procedure details the method to change from one emergency action level to another and to enter the recovery phase, if applicable.

2.0 RESPONSIBILITIES

- 2.1 Shift Supervision acting as Interim Emergency Director is responsible to:
 - 2.1.1 Classify the event according to this procedure.
 - 2.1.2 Periodically re-evaluate the event for a change in classification.

LID GNLY WHEN RED

- 2.1.3 Implement the Emergency Plan if the situation warrants.
- 2.2 The Station Superintendent acting as Emergency Director has the same responsibilities as in 2.1.
- 3.0 APPENDICES
 - 3.1 EP-101-1 Hazards to Station Operation
 - 3.2 EP-101-2 Environmental
 - 3.3 EP-101-3 Loss of Power
 - 3.4 EP-101-4 Personnel Injury
 - 3.5 EP-101-5 Fire

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- 3.6 EP-101-6 Radioactive Release
- 3.7 EP-101-7 Evacuation of Control Room
- 3.8 EP-101-8 Damage of Fuel
- 3.9 EP-101-9 Instrument Failure
- 3.10 EP-101-10 Scram Failure
- 3.11 EP-101-11 Boundary Degradation/LOCA
- 3.12 EP-101-12 Unusual Shutdown
- 3.13 EP-101-13 Loss of Hot or Cold Shutdown Capacity
- 3.14 EP-101-14 Security

4.0 PREREQUISITES

None

5.0 SPECIAL EQUIPMENT

None

6.0 SYMPTOMS

None

7.0 ACTION LEVEL

This procedure shall be implemented whenever Shift Supervision detects conditions which meet the Emergency Action Levels in Appendix EP-101, Classification Table.

IMPLEMENTATION OF THIS PROCEDURE DOES NOT CONSTITUTE IMPLEMENTATION OF THE EMERGENCY PLAN.

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8.0 PRECAUTIONS

THE JUDGEMENT OF THE (INTERIM) EMERGENCY DIRECTOR IS VITAL IN PROPER CONTROL OF AN EMERGENCY AND TAKES PRECEDENCE OVER GUIDANCE IN THIS EMERGENCY PLAN PROCEDURE.

9.0 PROCEDURE

- 9.1 ACTIONS
 - 9.1.1 Shift Supervision or Emergency Director shall:
 - 9.1.1.1 Select categories related to station events or conditions.

Page Number

Hazards to Station Operation	6
Environmental	7
Loss of Power	8
Personnel Injury	9
Fire	10
Radioactive Release	11
Evacuation of Control Room	12
Damage of Fuel	13
Instrument Failure	14
Scram Failure	15
Boundary Degradation/LOCA	16
Unusual Shutdown	18
Loss of Hot or Cold Shutdown Capacity	19
Security	20

9.1.1.2

Beginning at the indicated page in Appendix EP-101, review the Emergency Action Levels for categories selected.

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- 9.1.1.3 If the most severe events or conditions are classified as an <u>Unusual Event</u>, implement EP-102, "Unusual Event Response."
- 9.1.1.4 If the most severe events or conditions are classified as an <u>Alert</u>, implement EP-103, "Alert Immediate Response."
- 9.1.1.5 If the most severe events or conditions are classified as a <u>Site Emergency</u>, implement EP-104, "Site Emergency Response."
- 9.1.1.6 If the most severe events or conditions are classified as a <u>General Emergency</u>, implement EP-105, "General Emergency Response."

9.2 ACTIONS

- 9.2.1 If event is classified as Alert, Site Emergency, or General Emergency, Shift Supervision or Emergency Director shall:
- 9.2.1.1 Periodically evaluate the event classification as listed on attached Appendix EP-101. Based upon results of corrective action taken to recover from the emergency situation, escalation or deescalation of the emergency classification will be decided upon by the (Interim) Emergency Director. (It is preferable, but not mandatory, to obtain concurrance from the Site Emergency Coordinator and Corporate Headquarters prior to classification reduction). The NRC and appropriate offsite authorities shall be informed of the decision to move from one emergency class to the next. As appropriate, agencies or personnel listed in checkoff lists of EPs 102, 103, 104, and 105 shall be informed.

Notified within 15 minutes once the emergency level is declared.

9.2.1.2 Have a written summary sent to the NRC within eight hours of closeout or reductin of the emergency clasification in accordance with EP-106, Written Summary Notification.

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9.2.2

When the emergency has been controlled and the power plant and auxiliaries have been placed in a safe shutdown condition, only then will a decision be made as to whether a recovery phase is justified. To enter the recovery phase after the emergency or accident situation is considered no longer in effect, the concurrence of the Site Emergency Coordinator, Emergency Director, the Emergency Support Officer at Corporate Headquarters, and Federal and State Government Liaison is required per EP-410. The recovery phase is a departure from an emergency situation. The Site Emergency Coordinator and Emergency Director evaluate plant operating conditions as well as the in-plant and out-of-plant radiological conditions in this decision. Notifications to the various individuals and agencies that the recovery phase has been implemented is the responsibility of the Site Emergency Coordinator.

10.0 REFERENCES

- 10.1 Limerick Generating Station Emergency Plan
- 10.2 NUREG 0654 Criteria for Preparation and Evaluation Rev. 1 of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 10.3 EP-102 Unusual Event Response
- 10.4 EP-103 Alert Response
- 10.5 EP-104 Site Emergency Response
- 10.6 EP-105 General Emergency Response
- 10.7 EP-410 Recovery Phase Implementation

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HAZARDS TO STATION OPERATION

UNUSUAL EVENT

ALERT

WHEN BOTH UNITS ARE IN COLD SHUTDOWN

- Aircraft crash in or unusual aircraft activity over the site.
- Train derailment within the site boundary.
- Explosion within or near the site boundary.
- Toxic or flammable gas release within or near the site boundary.
- Aircraft crash or missile impact on the Reactor Enclosure, Control Enclosure, Turbine Enclosure, Diesel Generator Enclosure or Spray Pond Pump House.
- Known explosion damage affecting plant operation.
- 3. Toxic, flammable gases or chlorine detected in the Control Room as indicated by 'High Toxic Chemical Concentration' Alarm or 'Control Room Chlorine Isolation Initiated' Alarm on 00C881.

SITE EMERGENCY

GENERAL EMERGENCY

WHEN EITHER UNIT IS NOT IN COLD SHUTDOWN

- Aircraft crash or missile impact on the Reactor Enclosure, Control Enclosure, Turbine Enclosure, Diesel Generator Enclosure or Spray Pond Pump House.
- Known explosion damage affecting plant operation.
- 3. Toxic, flammable gases or chlorine detected in the Control Room as indicated by 'High Toxic Chemical Concentration' Alarm or 'Control Room Chlorine Isolation Initiated' Alarm on 00C881.

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ENVIRONMENTAL

UNUSUAL EVENT	ALERT
 An actual earthquake detected by the Seismic Monitoring System (00C693) at or below operating basis earthquake (.075g). 	 An actual earthquake detected by the Seismic Monitoring System (00C693) beyond the operating basis earthquake (.075g).
 A tornado is observed within or near site boundary. A hurricane is expected to be in the vicinity of the 	 Tornado strikes the Reactor Enclosure, Turbine Enclosure, Spray Pond Pump House, Control Enclosure or Diesel Generator Enclosure.
site.	 Sustained high winds greater than 70 mph as indicated on 0BC699.

SIPE EMERGENCY

- Sustained high winds greater than 90 mph as indicated on 0BC699 if either unit is not in Cold Shutdown.
- 2. An actual earthquake detected by the Seismic Monitoring System (00C693) beyond the safe shutdown earthquake (.15g) if either unit is not in Cold Shutdown.

GENERAL EMERGENCY

 Earthquake beyond the safe shutdown earthquake (.15g) or other natural disaster which causes massive damage leading to other General Emergencies.

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LOSS OF POWER

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UNUSUAL EVENT	ALERT
 Loss of all off-site power or loss of all on-site AC power for greater than 60 seconds. 	N/A

SITE EMERGENCY			GENERAL EMERGENCY	EMERGENCY
1.	Loss of all and loss of	on-site AC power off-site power		N/A
2.	Loss of all DC power as	safety-related indicated by:		

 Loss of all Control Room annunciators.

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PERSONNEL INJURY

UNUSUAL EVENT		ALERT	
 Transportation of contaminated injured individual from site to off-site hospital. 		N/A	

SITE EMERGENCY

GENERAL EMERGENCY

N/A

N/A

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UNUSUAL EVENT	ALERT	
 Fires involving permanent plant structures within the protected area lasting 10 minutes or more after initial attempts to extinguish it. 	 Fire which could make an ECCS inop as indicated by observation. 	

FIRE

SITE EMERGENCY

 Fire which makes an ECCS inop and requires or causes immediate plant shutdown as indicated by observation.

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- GENERAL EMERGENCY
- Fire which causes massive damage leading to other General Emergencies.

RADIOACTIVE RELEASE

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UNUSUAL EVENT

ALERT

- Report indicates liquid effluent release exceeds technical specification 3.11.1.1 or 3.11.1.2.
- Report indicates gaseous effluent release exceeds technical specification 3.11.2.1 or 3.11.2.2 or 3.11.2.3
- Radiological effluents release greater than 0.5 mR/hr at site boundary as indicated by an uncontrollable release for greater than 20 minutes with:
 - a) North stack effluent radiation monitor exceeds 1.0N2 uCi/cc or
 - b) South stack effluent radiation monitor exceeds 1.2N2 uCi/cc.

SITE EMERGENCY

- Radiological effluent release greater than 50 mR/hr at site boundary as indicated by an uncontrollable release for greater than 20 minutes with:
 - a) North stack effluent radiation monitor exceeds 1.0 uCi/cc.
- Projected whole body dose greater than .1 rem or thyroid dose greater than .5 Rem at or beyond the site boundary over course of the event utilizing RMMS procedure calculating offsite doses.

GENERAL EMERGENCY

- Radiological effluent release greater than 500 mR/hr at site boundary as indicated by an uncontrollable release for greater than 20 minutes with:
 - a) North stack effluent radiation monitor exceeds 10 uCi/cc.
- Projected whole body dose greater than 1 Rem or thyroid dose greater than 5 Rem at or beyond the site boundary over course of the event utilizing RMMS procedure calculating offsite doses.

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1.14

EVACUATION OF CONTROL ROOM

UNUSUAL EVENT	ALERT
N/A	 Evacuation of Control Room anticipated or required with control established at remote shutdown panel.

SITE EMERGENCY

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 Evacuation of Contol Room and control of shutdown systems not established from remote shutdown panel in 15 minutes. GENERAL EMERGENCY

N/A

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DAMAGE OF FUEL

	UNUSUAL EVENT	1	ALERT
1.	Steam Jet Air Ejector Discharge radiation monitor exceeds 2.1P4 mR/hr.	1.	Steam Jet Air Ejector Discharge radiation monitor exceeds 2.1P5 mR/hr
2.	Steam Jet Air Ejector Discharge radiation monitor has an un- expected increase of 4060 mR/hr over 30 minutes.	2.	I-131 dose equivalent in the reactor coolant exceeds 300 uCi/g from sample and main steam line high-high radiation with resultant scram.
3.	I-131 dose equivalent in the reactor coolant exceeds 0.2 uCi/g from sample analysis.	3.	Spent fuel damage resulting in a refueling floor area ventilation exhaust monitor alarm.
		4.	Containment Post LOCA Radiation Monitors greater than 1P2 R/hr.

SITE EMERGENCY

- a) Observation of major damage to spent fuel or
- b) Water loss below fuel level in spent fuel pool.
- 2. Containment Post LOCA Radiation Monitors greater than 1P3 R/hr.

GENERAL EMERGENCY

1. Major damage to spent fuel: 1. Containment Post LOCA Radiation Monitors greater than 1P4 R/hr.

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INSTRUMENT FAILURE

	UNUSUAL EVENT		ALERT	
1.	Complete loss of all Main Control Room communication equipment.	•	N/A	
2.	Significant loss of assessment capability in the Main Control Room as indicated by:			
	 a) Loss of all flow or all radiation monitors for the North, South stacks or radwaste discharge while a release is in progress. 			

SITE EMERGENCY

GENERAL EMERGENCY

N/A

N/A

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SCRAM FAILURE

UNUSUAL EVENT	ALERT		
N,'A	 Failure of the Reactor protection system to automatically initiate and complete a scram <u>and</u> 		
	Scram fails to bring Reactor subcritical as indicated by APRM's greater than 4%, one minute after scram initiates.		

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 Transient requiring standby liquid control system to initiate with failure to scram. Failure to Scram is indicated by APRM'S greater than 4% one minute after a scram initiates.

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GENERAL EMERGENCY

 Transient requiring standby liquid control system to initiate with failure to scram and Reactor does not become sub-critical. As indicated by APRM's greater than 4% 10 minutes after scram initiates.

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BOUNDARY DEGRADATION/LOCA PAGE 1 of 2

UNUSUAL EVENT

 Failure of a main steam relief value or ADS value to close following reduction of applicable pressure.

As indicated by:

- a) SRV 1 head vent valve leaking alarm on 10C826 (20C826) or
- b) Acoustic monitor valve position indication and (safety relief valve open alarm on 10C826 (20C826)
- c) Increase in suppression pool temperature above 95 and
- d) Reactor pressure below 1130 psig
- Reactor coolant leak rate exceeds 30 gpm total leakage average over any hour period as indicated by surveillance test report.

ALERT

- Scram with small leak as indicated by:
 - a) Scram alarm and
 - b) Reactor level less than -129" and
 - c) Containment pressure greater than 1.68 psig and pressure is increasing.
- Reactor coolant leak rate exceeds 60 gpm total leakage averaged over any 24 hour period as indicate by surveillance test report.
- High airborne contamination in the Reactor Enclosure as indicated by:
 - a) Reactor Enclosure vent exhaust RAD monitor A/B or C/D Hi-Hi ALARM on 10C800 (20C800) or
 - b) 1000 fold increase of airborne radiation in a major area of the reactor enclosure as determined by health physics.

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BOUNDARY DEGRADATION/LOCA PAGE 2 of 2

	SITE EMERGENCY	GENERAL EMERGENCY			
1.	Scram with LOCA as indicated by:	1.	Scram with LOCA & no ECCS as indicated by:		
	a) Scram alarm <u>and</u>		a) Scram alarm <u>and</u>		
	b) Reactor level less than -129" and		b) Reactor level less than -129" and		
	 c) Containment pressure greater than 10 psig 		c) Failure to bring Reactor level above -129" after 3 minutes and		
			d) Containment pressure greater than 20 psig		
2.	Main steam line break outside containment without isolation as indicated by:		Scram with LOCA & Containment Failure as indicated by:		
			a) Scram with Reactor level less than-129" <u>and</u>		
	a) High Main Steam Line Flow				
	(108.7 psid) and		b) Reactor Enclosure Vent Exhaust Rad Monitor A/B or C/D Hi-Hi alarm on 10C800 (20C800)		
	b) High Steam Tunnel Temp (165 deg F) and				
	c) Main Steam Line Low Pressure (756 psig)				

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-	UNUSUAL EVENT	ALERT
1.	Controlled shutdown due to failure to meet limiting condition of operation.	N/A
2.	Shutdown other than normal controlled shutdown <u>and</u> for the purpose of placing the plant in a safer condition.	
3.	Cooldown rate exceeds technical specification limits.	
	SITE EMERGENCY	GENERAL EMERGENCY
	N/A	N/A

· UNUSUAL SHUTDOWN

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UNUSUAL EVENT	ALERT		
N/A	 Complete loss of any function needed for plant Cold Shutdow and main condenser unavailabl as indicated by: 		
	a) Loss of RHRSW <u>or</u>		
	b) Loss of shutdown cooling.		

LOSS OF HOT OR COLD SHUTDOWN CAPABILITY

SITE	EMERGENCY
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- Complete loss of any function needed to maintain the plant in Hot Shutdown if Hot Shutdown condition is required as indicated by:
 - a) HPCI and RCIC not available or
 - b) All Reactor vessel relief valves inoperable or
 - c) Loss of Suppression Pool cooling.

GENERAL EMERGENCY

- Shutdown occurs but Decay Heat Removal Systems not available as indicated by:
 - a) Reactor operating and scram occurs and
 - b) RHR shutdown cooling not available and
 - c) All SRV's INOP and
 - d) HPCI and RCIC not available

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SECURITY

	UNUSUAL EVENT		ALERT
1.	Security threat or attempted entry or attempted sabotage.	1.	Ongoing security compromis
	Event 1 - Sabotage or Bomb Threat Event 2 - Intrusion and Attach Threat Event 7 - Suspected Intrusion Event 8 - Actual Intrusion Event 9 - Suspected Bomb or Sabotage Device Discovered		
	Event 15 - Guard Strike Event 16 - Onsite Hostage Situation		

SITE EMERGENCY

GENERAL EMERGENCY

1. Imminent loss of physical 1. Loss of physical control of control of the plant. the facility. Escalation of Escalation of Event 8 -Event 8 - Actual Instrusion Actual Intrusion or Event or Event 9 - Suspected Bomb 9 - Suspected Bomb or or Sabotage Device Discovered Sabotage Device Disdepending on location and covered depending on size of device and radiolocation and size of logical consequences. device and radiological consequences.

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-202 OPERATIONS SUPPORT CENTER (OSC) ACTIVATION

1.0 PURPOSE

The purpose of this procedure is to provide guidelines for the actions required by the Operations Support Center Coordinator to activate, man and manage the Operations Support Center (OSC).

2.0 RESPONSIBILITIES

2.1 The Operations Support Center Coordinator shall activate the OSC by performing the necessary steps in this procedure.

3.0 APPENDICES

- 3.1 Appendix EP-202-1 OSC Operator Assignment Status Board
- 3.2 Appendix EP-202-2 OSC HP Assignment Status Board

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WALLS CALL WITCH ALLS

- 3.3 Appendix EP-202-3 OSC Plant Status Board
- 3.4 Appendix EP-202-4 OSC Telephone Check List

4.0 PREREQUISITES

None

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5.0 SPECIAL EQUIPMENT

5.1 Portable Area Radiation Monitor

6.0 SYMPTOMS

None

7.0 ACTION LEVEL

7.1 The Operations Support Center is activated when an event has been classified as an Alert, Site or General Emergency in accordance with EP-101, Classification of Emergencies, or at the discretion of the Emergency Director.

8.0 PRECAUTIONS

- 8.1 Verify habitability of Operations Support Center in accordance with EP-330, Emergency Response Facility Habitability.
- 8.2 Personnel shall log in and out of the Operations Support Centers in order to maintain personnel accountability.

9.0 PROCEDURE

- 9.1 ACTIONS
 - 9.1.1 Operations Support Center Coordinator shall:
 - 9.1.1.1 Assign an individual the duties of Operations Support Center Communicator and Status Board Keeper. Use Appendices EP-202-1, EP-202-2, EP-202-3 for status board formats.
 - 9.1.1.2 Direct the establishment and maintenance of a log of pertinent events. The log keeper can be any available maintenance person or technician.

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- 9.1.1.3 Direct the Operations Support Center communicator to verify operability of the telephones between the OSC and the TSC and Control Room (in accordance with Appendix EP-202-4, OSC Telephone Check List) and maintain the status board.
- 9.1.1.4 Notify the (Interim) Emergency Director when the Operations Support Center is manned and communications are satisfactory between the Control Room, Technical Support Center and the Operations Support Center.
- 9.1.1.5 Have Health Physics check out equipment.
- 9.1.1.6 Have Health Physics set up a portable area radiation monitor (if available) or use a survey meter to monitor radiation levels.

9.2 FOLLOW-UP

- 9.2.1 Operations Support Center Coordinator shall:
- 9.2.1.1 Remain available for contact with the . Control Room or TSC in order to provide personnel for emergency teams.
- 9.2.1.2 Direct personnel entering or leaving the Operations Support Center to log in or out using the Operations Support Center log.
- 9.2.1.3 Contact the Emergency Director for additional manpower, if needed.
- 9.2.1.4 If the OSC becomes overcrowded, assign excess personnel to report to the Auxiliary OSC on Elevator 239 (P.O. Shack) and have phones there checked.
- 9.2.1.5 Upon leaving the Operations Support Center for any reason, delegate the duties to the senior remaining operator or HP technician.
- 9.2.1.6 Assign Health Physics to periodically confirm habitability using EP-330, Emergency Response Facility Habitability.
- 9.2.1.7 In the event the OSC becomes unhabitable, direct personnel as follows:
 - A. The OSC-Coordinator, Plant Survey Group Leader and up to 5 HP Technicians and 5

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Operators report to the MRF Room in the Control Room.

B. All others report to the Maintenance Shop.

10.0 REFERENCES

- 10.1 Limerick Generating Station Emergency Plan
- 10.2 NUREG 0654, Rev. 1 Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
- 10.3 NUREG 0696 Functional Criteria for Emergency Response Facilities.
- 10.4 EP-330 Emergency Response Facilities Habitability

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APPENDIX EP-202-1

OSC - OPERATOR ASSIGNMENT STATUS BOARD

DATE:

TIME	JOB DESCRIPTION	OPERATORS SENT(NAME)	MAINTENANCE CALLED	ESTIMATED RETURN TIME
	1. S			
			İ	
	1			
	1			
	1			
			1	

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APPENDIX EP-202-2

OSC - HP ASSIGNMENT STATUS BOARD

DATE:

TIME	JOB DESCRIPTION	HP'S SENT (NAME)	RADIATION PROBLEMS	ESTIMATED RETURN TIME
	to i contribuisto	and the first of		
	1 34			

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APPENDIX EP-202-3

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OSC PLANT STATUS BOARD

UNIT

.

RX LEVEL _____ TIME _____ EMERGENCY CLASS: _____

13 KV Bu	s .	1:	2:		HPCI:	
Condensa	te Pumps	A:	В:	C:	RCIC:	
Recirc P	umps	A:	В:			
4 KV Bus		D 1:	D 2:	D 3:	D 4:	
Diesel		D 1:	D 2:	D 3:	D 4:	
RHR		A:	В:	C:	D:	
RHRSW		A:	В:	C:	D:	
Core Spray		A:	B:	C:	D:	
ESW		A:	В:	с:	D:	
CRD		A:			в:	
SBLC	Pumps Valves	A: A:	B: B:	C: C:		
SBGT Fans		Α:	В:		Filter Filter	
Containm H2 Recom		A:	B:			
Air Comp	ressors:	A:	В:	Service	Air:	
Backup Service	Air:					

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APPENDIX EP-202-4

OSC - EMERGENCY EQUIPMENT INVENTORY LIST

Check the following phones for dial tone:	
OSC Prelude Phones:	YES/NO
Control Rcom/OSC (Beige Phone)	1
OSC/TSC (Light Blue Phone)	
OSC Station Phones (Black):	YES/NO
AUXOSC Phones - if AUXOSC is used	YES/NO

distant in the

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-203 EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION

1.0 PURPOSE

3.0

The purpose of this procedure is to provide guidelines for the activation, manning, and conduct of operations of the Emergency Operations Facility (EOF).

2.0 RESPONSIBILITIES

- 2.1 The first person arriving at the EOF shall activate the EOF by performing the necessary steps in this procedure.
- 2.2 The Site Emergency Coordinator's Communicator shall man communication lines and log information.
- 2.3 The Site Emergency Coordinator shall direct operation at the EOF.
- 2.4 The Status Board Recorders shall obtain and post information.

APPENDICES 3.1 LGS Plant Parameter Status EP-203-1 Plant Parameter EP-203-2 3.2 3.3 EP-203-3 Event Chronold St ONLY BOARD EP-203-4 Staff Assignment Stat 3.4 Headquarters Support Reg EP-203-5 3.5 3.6 EP-203-6 Offsite Communications EP-203-7 Radiological Status 3.7

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3.8 EP-203-8 EOF Phone Check List

3.9 EP-203-9 EOF Equipment Activation

4.0 PREREQUISITES

None

5.0 SPECIAL EQUIPMENT

None

6.0 SYMPTOMS

None

7.0 ACTION LEVEL

7.1 The EOF is activated when an event has been classified as a Site Emergency or General Emergency in accordance with EP-101, Classification of Emergencies, or at the discretion of the Site Emergency Coordinator or (Interim)! Emergency Director.

8.0 PRECAUTIONS

8.1 Maintain accountability of personnel and staff reporting to the EOF throughout the incident.

9.0 PROCEDURE

9.1 ACTIONS

PERSONNEL ARE DESIGNATED AND ASSIGNED GENERAL DUTIES IN THE EOF BY EP-279, EOF GROUP PHONE LIST.

9.1.1 The first person arriving shall:

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- 9.1.1.1 Obtain keys, if necessary, for EOF from the Plymouth Dispatch office and open EOF.
- 9.1.1.2 Perform appendices EP-208-8 and EP-208-9.
- 9.1.1.3 Assign the first available person to the entrance of the EOF to control access until security arrives and to establish a log for the purposes of personnel accountability.

ENSURE THAT PERSONNEL SIGN IN AND OUT AND THAT ONLY INDIVIDUALS ON ACCESS LIST OR CLEARED BY SENIOR PERSON PRESENT ARE ALLOWED TO ENTER THE EOF. ACCESS LIST IS IN SECURITY DESK.

- 9.1.1.4 Assign an individual (as soon as one is available), the duties of the Site Emergency Coordinator Communicator. The communicator shall perform the steps outlined in Section 9.1.2.
- 9.1.2 The Site Emergency Coordinator Communicator shall:
- 9.1.2.1 Use EP-279, Emergency Operations Facility Group Phone List to call in additional personnel to staff the EOF, if necessary.
- 9.1.2.2 Inform the Site Emergency Coordinator when the above communications capabilities have been verified or of any problems.
- 9.1.2.3 As personnel arrive, man communications lines on the Site Emergency Coordinator's desk and maintain a communications log containing information received from and sent to other facilities and other organizations.

ENSURE ALL PERTINENT ACTIONS AND NOTIFICATIONS ARE LOGGED.

- 9.1.3 Security personnel shall:
- 9.1.3.1 Post themselves at front and back of EOF.
- 9.1.3.2 Control access to EOF by allowing only people who are on access list or cleared by senior person in EOF access to EOF. Access list is in Security Desk.

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9.2 FOLLOW-UP

SITE EMERGENCY COORDINATOR SHALL ASSUME CONTROL AFTER HE HAS ARRIVED AND IS COGNIZANT OF THE SITUATION.

- 9.2.1 Site Emergency Coordinator shall:
- 9.2.1.1 Assign personnel to be status board keepers and direct them to perform the steps outlined in section 9.2.4 of this procedure.
 - A. LGS Plant Parameter Status Board
 - B. Plant Parameter Trends Board
 - C. Event Chronology Status Board
 - . D. Staff Assignment Status Board
 - E. Headquarters Support Requests Status Board
 - F. Offsite Communications Status Board
 - G. Radiological Status Board
- 9.2.1.2 Ensure that an individual has been assigned as the Site Emergency Coordinator's Communicator.
- 9.2.1.3 Inform the Technical Support Center when the Emergency Operations Facility is operational, manned and in control of its designated responsibilities.
- 9.2.1.4 Brief the EOF Staff periodicially on the status of the emergency and pertinent plant conditions.
- 9.2.1.5 Direct transmission of all Status Board information to appropriate Headquarters Emergency Support Center Status Board Recorders.
- 9.2.1.6 Perform actions in EP-120 Site Emergency Coordinator.
- 9.2.3 Dose Assessment Team Leader shall:

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- 9.2.3.1 Complete the Dose Assessment Team Activation in accordance with EP-210, Dose Assessment Team Activation.
- 9.2.4 Status Board Recorders shall:
- 9.2.4.1 Fill in their assigned status board(s).

Format and content of the Status Boards are given in the following appendices:

- A. Appendix EP-203-1, LGS Plant Parameter Status Board
- B. Appendix EP-203-2, Plant Parameter Trends Status Board
- C. Appendix EP-203-3, Event Chronology Status Board
- D. Appendix EP-203-4, Staff Assignment Status Board
- E. Appendix EP-203-5, Headquarters Support Requests Status Board
- F. Appendix EP-203-6, Offsite Communications Status Board
- G. Appendix EP-203-7, Radiological Data Status Board

9.2.4.2 Contact the following individuals for the various Status information.

- A. TSC Plant Parameter Status Board Recorder for Plant Status information.
- B. TSC Event Chronology Status Board Recorder for Event Chronology information.
- C. Site Emergency Coordinator's Communicator for Staff Assignment Information and Headquarters Support Requests.
- D. Emergency Director's Communicator Site Emergency Coordinator's Communicator or Control Room Communicator for offsite communication information.

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- E. Field Survey Group Leader for field survey data.
- F. Dose Assessment Team Leader for Radiological data.
- 9.2.4.3 Post appropriate information on assigned status board and maintain a log of all status board entries.
- 9.2.4.4 Review and update the status boards as changes in plant conditions or information warrant.
- 9.2.4.5 Inform the appropriate Coordinator, Team or Group Leader as significant changes in status board information are noted.

10.0 REFERENCES

- 10.1 Limerick Generating Station Emergency Plan
- 10.2 NUREG 0654 Criteria for Preparation and Rev. 1 Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
- 10.3 NUREG 0696 Functional Criteria for Emergency Response Facilities.
- 10.4 EP-279 Emergency Operations Facility Group Phone List
- 10.5 EP-210 Dose Assessment Team Activation

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APPENDIX EP-203-1 LGS PLANT PARAMETER STATUS - UNIT NO.

Radiological Parameters Time	Reactor Parameters Time	DATE:
North Stack uCi/cc uCi/sec	Power	
Jorth Stack Flow cfm	Level inches	
South Stack uCi/ccuCi/sec	Pressure psig	
South Stack Flow cfm		
South Stack Flow cfm D/W Rad Monitor R/hr		
R/X Encl Exhmr/hr	Reactivity Control Time	Level Control Time
Refuel Floor Exh. mr/hr		
Air Ejector Offgas mr/hr	# Of Rods not inserted	F.W.A. on Unavail/Reason
R/W Monitor cpm		B
		С
	SBLC Inj. Unavail/Reason	CRD A
Meteorological Parameters Time	A	В
received and the second s	В	HPCI
	C	RCIC
Ave. Wind Direction (from)		Cond. A
Ave. Ambient Temp degrees F	SBLC Tank Level	B C
Precipitation		
Stability Class		C.S.A
Wind Speed () (Tower 1)	Pressure Control Time	B C
Vind Speed () (Tower 2)		С
Wind Speed () (Satellite)	#Bypass Valves Open	D
		LPCI A
POWER SUPPLIES Time	SRV'S A E C D E F G H J K L M N S	В
Source Supplying Unavail/Reason	Open	С
220 kv	Closed	D
l offsite	Was Open	RHRSW A
500 kv		В
2 offsite		
D-1		D
D-2		Cond.
0-3		Trans.
2-4		Refuel
D-4		Refuel Trans.

LGS PLANT PARAMETER STATUS - UNIT NO. (CONT'D)

A A State

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ft 8H2 psig Containment Parameters Level Suppression Pool Temp \$02 Suppression Pool Drywell pressure Drywell Temp Containment

Time Contail.ment Control

Unavail/ Spray Cool Reason S/D D/W RHR Cool Spray Pool Sup. Sup. Pool 2 m

U 0

Unavail/Reason no RHRSW D 2 2 U

Isolated/Exceptions Containment Isolations III RWCU VII MISC II RHR MSIV IIV

Recombiners Unavai1/Reason H2 uo Containment Train A m Fan A m SGTS

Unavail/Reason uo

A m u.

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DATE:

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PLANT PARAMETER TRENDS

DATE:

TIME			
REACTOR PRESS. psig			
REACTOR POWER %			
REACTOR LEVEL In.			
	1		
	+	_	
DRYWELL PRESS. psig			
DRYWELL TEMP. %F			
LEVEL ft.	_		
SUPPRESSION POOL TEMP. % F			
CONTAINMENT RAD. RUH	_		•
NORTH STACK RAD UCI/86C.			-

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EVENT CHRONOLOGY STATUS BOARD	EVENT										
	EVENT NO.										
DATE:	TIME	-			-						

30.

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APPENDIX EP-203-4 STAFF ASSIGNMENT STATUS BOARD

Date:

TITLE	NA:	LOCATION
SHIFT SUPERINTENDENT		
SHIFT SUPERVISOR		
EMERGENCY DIRECTOR		
PERSONNEL SAFETY TEAM LEADER	<u> </u>	
FIRE/DAMAGE TEAM LEADER		
SITE EMERG. COORD.		
HEALTH PHYSICS/CHEM. COORD.	1	
DOSE ASSESSMENT TEAM LEADER		
CHEMISTRY SAMPLING & ANALYSIS TEAM LDR.		
FIELD SURVEY GROUP LEADER		
EOF LIAISON - CORP. COMM.		
PROCEDURE SUPPORT COORDINATOR		
PLANNING AND SCHEDULING COORDINATOR		,
MECH. ENGR. LIAISON		
ELEC. ENGR. LIAISON		
EMERGENCY SUPPORT OFFICER	1	
EOF SECURITY	<u> </u>	
EMERGENCY PREPAREDNESS COORDINATOR		

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TIME	SUBMITTED TO	ITEM	RESPONSE STATUS
<i>i</i>		ļ	
-			
			A.1.2

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OFFSITE COMMUNICATIONS STATUS BOARD

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2 *	RELEASE:			ORTH STAC	ANTICIPATED KU1 SC U2 SC _HRS.	UTH STA	ск	Pm	COMMENTS
RELEASE MON	ITORED			YES	NO				
IODINE		CI/CC			U1 SOUTH VENT			DESCRIBE	
WIND SPEED				DIRECTIO	ON (FROM)		-		
CENTERLINE. DOSE	PLUME. ARRIVAL		SE		INTERGRATED D		HE TO	AFFECTED	
PROJECTION	TIME	W.B.	THY	W.B.	THY:	CONTRACTOR OF A CONTRACTOR OF	THY.		

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	APPENDIX EP-203-8 EOF PHONE CHECKOFF LIST
(Green)	BRP Rad
(White)	BRP - Tech.
	Dose Assessment
(Yellow)	Dose Asses./Fld. Survey
	Dose Assessment Table
	Dose Assessment Table
	HP & Chem. Table
1. 40000000	HP&C
1. 0000-	HP & Chem. Table
	Near HP & Chem. Coordinator
	Near HP & Chem. Coordinator
	ERFDS/Operator
	RMMS Modern
Cimentity	Field Survey
(Yellow)	Field Survey
	NRC Table
	NRC Table
AGREEDED.	NRC Table
	- NRC Table

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	X EP-203-8 (CONT'D) HONE CHECKOFF LIST	
	NRC Desk	
	NRC Table	
	NRC Table	
	NRC Table	
	SEC Communicator's Desk	
& TSC/EOF (Orange)	SEC Communicator's Desk	
p. Spokesman (Ash)	SEC Communicator's Desk	
agement (Grey)	Sec's Desk	
/EOF (Ivory-Spk)	Sec's Desk	
	Emergency Preparedness	
	EOF Corp. Comm. Liaison	
	EOF Corp. Comm. Liaison	
	Security	
	Security	
	EOF Engineering Liaison	
	EOF Engineering Liaison	
	Procedures Support	
	Planning & Scheduling Coord.	-
	Planning & Scheduling Coord.	-
	End Tables	-
	Sec. Office	-
/EOF (Ivory-Spk)	Sec. Office	-
& TSC/EOF (Orange)	Sec. Office	-
agement (Grey)	Sec. Office	-

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,		APPENDIX EP-203-8 (CONT'D)	
		EOF PHONE CHECKOFF LIST	
	(Brown-Spk)	Sec. Office	
		NRC Office -	
		NRC Office ·	
		NRC Office	
		NRC Office	
		NRC Office	
	1	Conference Room	
		State/Local Government Office ·	
		State/Local Government Office -	
		State/Local Government Office ·	
	BRP Rad (Green		
2 - 2 2 - 2		Reception Desk (Near Plant Status Printer)	
		Telecopier	
		Telecopier /	

APPENDIX EP-203-9 EOF EQUIPMENT ACTIVATION

- Turn on Lights in EOF using switch(es) to the left of the door.
- 2. Turn on CRT's using posted procedures.

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- 3. Check radio base station for operability.
- Inform Site Emergency Coordinator or Site Emergency Coordinator Communicator when activation is complete, and of any problems discovered.

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-280 TECHNICAL SUPPORT CENTER PHONE LIST

1.0 PURPOSE

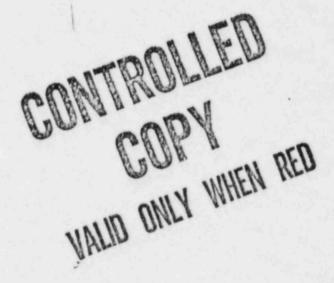
The purpose of this procedure is to provide guidelines and information to call in Technical Support Center (TSC) personnel.

2.0 RESPONSIBILITIES

- 2.1 The Emergency Director shall be responsible to have group members notified.
- 2.2 The Communicator shall call in TSC personnel.
- 3.0 APPENDICES

None

- 4.0 PREREQUISITES None
- 5.0 SPECIAL EQUIPMENT None
- 6.0 <u>SYMPTOMS</u> None



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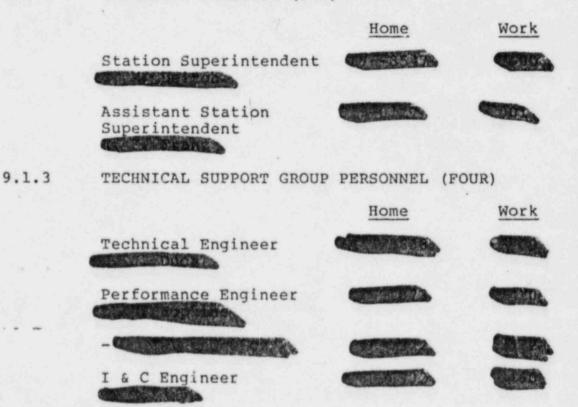
7.0 ACTION LEVEL

7.1 The procedure may be used when:

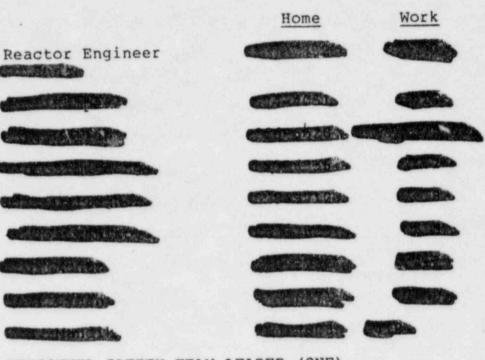
- 7.1.1 The Technical Support Center is to be activated.
- 7.1.2 Additional Technical Support Group people must be called in.
- 8.0 PRECAUTIONS

None

- 9.0 PROCEDURE
 - 9.1 ACTIONS
 - 9.1.1 The Communicator shall call people from the following list until appropriate positions are filled.
 - 9.1.2 EMERGENCY DIRECTOR (ONE)



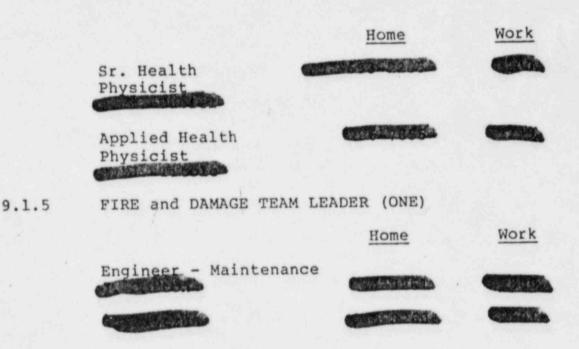
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9.1.4

1.

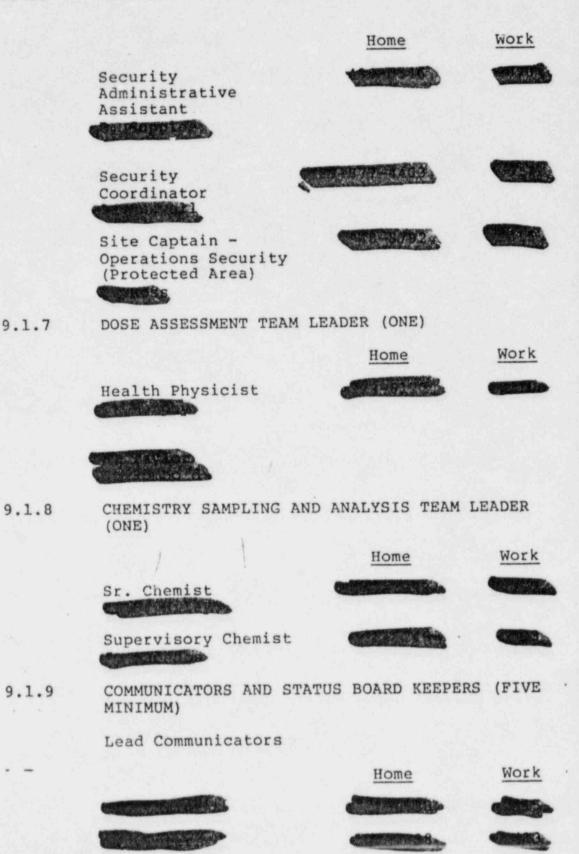
PERSONNEL SAFETY TEAM LEADER (ONE)



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9.1.6 SECURITY TEAM LEADER (1)

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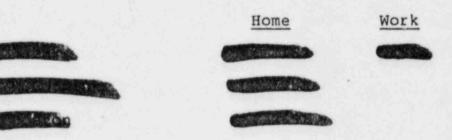
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9.1.10 DA

(ERFDS)

DATA DISPLAY OPERATOR (TWO)



10.0 REFERENCES

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None

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-284 COMPANY CONSULTANTS AND CONTRACTORS PHONE LIST

1.0 PURPOSE

The purpose of this procedure is to provide information to contact PECo consultants and contractors.

2.0 RESPONSIBILITIES

2.1 The Communicator shall be responsible to contact contractor or consultants as their services are needed.

3.0 APPENDICES

None

4.0 PREREQUISITES

None

5.0 SPECIAL EQUIPMENT

None

6.0 <u>SYMPTOMS</u>

None

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7.0 ACTION LEVEL

7.1 This procedure may be used when it is necessary to contact a company consultant or contractor.

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PRECAUTIONS 8.0

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Requests for consultants or contractors shall be 8.1 approved by the Site Emergency Coordinator or Emergency Director.

9.0 PROCEDURE

9.1 Actions

9.1.5

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The Communicator shall contact the needed 9.1.1 contractor or consultant by using the following list.

Address

Phone

- 9.1.2 Chemistry Contractor (Later)
- Health Physics Contractor(s) (Later) 9.1.3
- General Electric Nuclear Energy 9.1.4 Business Company, Operations Emergency Support Program Services Division number)

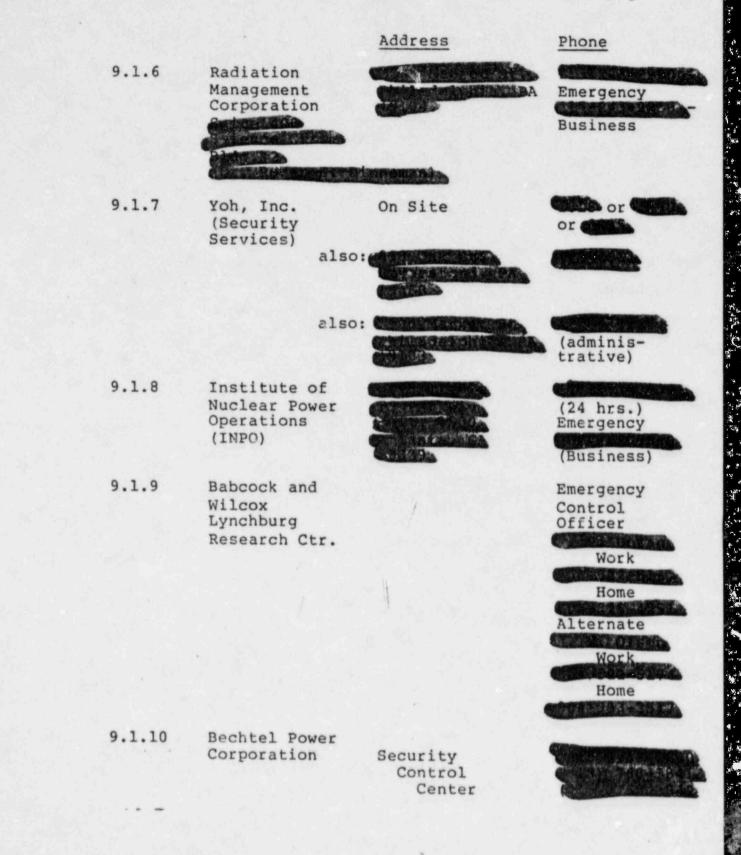
(24 hour emergency

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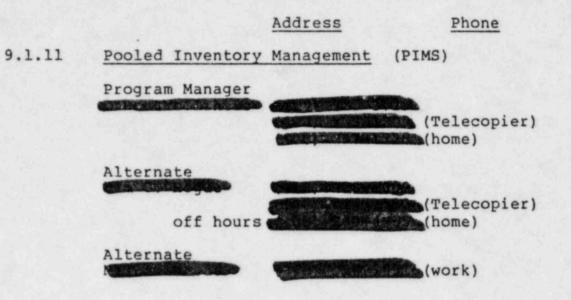
Working Hours: Manager of BWR Product Service Off Hours: Answering Service for immediate call back from GE

Underwater Technics, Inc.	CONTRACTOR OF CO	
recimics, mo.	(24 hour emergency numbers)	
	(home)	
Contraction of the second	(home)	-

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10.0 REFERENCES

None

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-291 STAFFING AUGMENTATION

1.0 PURPOSE

The purpose of this procedure is to provide guidelines and information necessary to perform staff augmentation.

2.0 RESPONSIBILITIES

- 2.1 The shift clerk or other assigned person shall perform the following procedure.
- 3.0 APPENDICES

None

4.0 PREREQUISITES

None

- 5.0 <u>SPECIAL EQUIPMENT</u> None
- 6.0 SYMPTOMS

None

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7.0 ACTION LEVEL

This procedure shall be implemented at an Alert, a Site Emergency or a General Emergency.

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8.0 PRECAUTIONS

None

- 9.0 PROCEDURE
 - 9.1 ACTIONS

9.1.1 The Shift Clerk or other assigned person shall:

- 9.1.1.1 Ask the (Interim) Emergency Director if the TSC and EOF or the TSC only is to be activated so this information can be given to the Dose Assessment Team Leader and Communicators.
- 9.1.1.2 Contact in sequence the personnel listed in Section 9.1.2.
- 9.1.1.3 Inform each person contacted of the event classification and that they are to respond to their assigned location. If the person is unable to respond, go to the next person on the list.
- 9.1.1.4 Attempt to contact personnel who have pagers, by that method if they are known to be "on the page", or the phone is busy or there is no answer.
- 9.1.1.5 Inform (Interim) Emergency Director of results including discrepancies.
- 9.1.2 Personnel to be contacted are:
- 9.1.2.1 SHIFT I&C TECHNICIAN

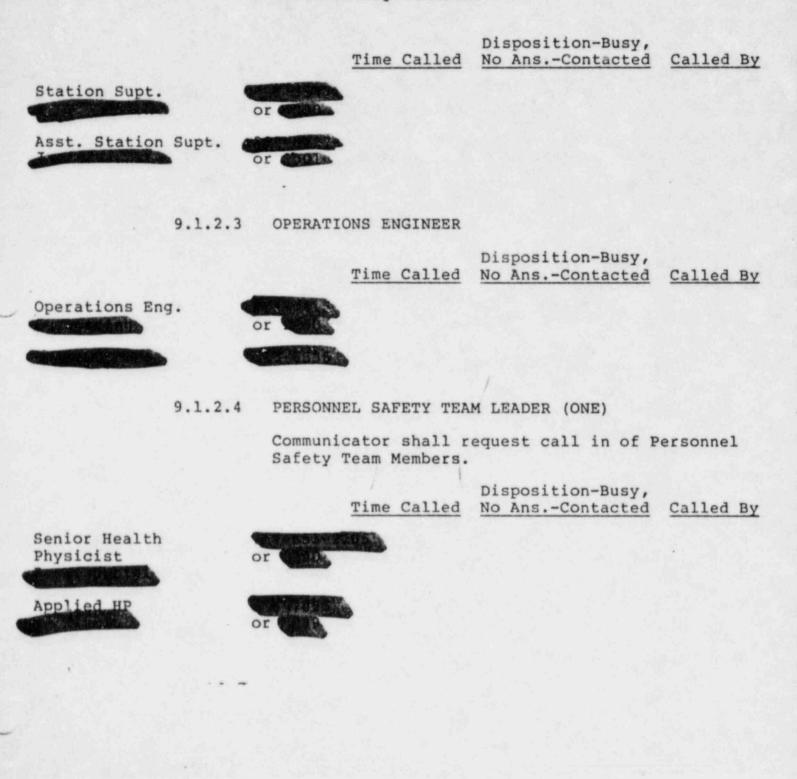
Communicator shall request that the TSC be activated. (Shift I&C Technician ext. Compor

I&C Technician T	ime E	3y
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9.1.2.2 EMERGENCY DIRECTOR

The Station Superintendent or Assistant Station Superintendent is contacted by communicator and is one contact. Do not re-contact if he has been successfully reached.



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9.1.2.5 DOSE ASSESSMENT TEAM LEADER (ONE)

Communicator shall request to call in team, and to report to the TSC or EOF as determined by Step 9.1.1.1.

		9.1.1.1	•				
			Time Called	Disposition-Busy, No AnsContacted	Called By		
Technical S Health Phys	icist d	or Car					
Sr. Physici		or	àm.				
	9.1.2.6	SHIFT M	AINTENANCE SU	B-FOREMAN			
		request mainten	the Maintena	ge. Communicator a nce Sub-foreman to s, preferably, one r fitters.	call three		
	Sub-forer	Sub-foreman Time By					
	9.1.2.7	Communi		RSONNEL (ONE) equest call in of T s.	echnical		
			Time Called	Disposition-Busy, No AnsContacted	Called By		
	ngineer d	or all		1994 - S.			
nce opki	Engineer ns	or Call					
Jinee		or Co	•				
.eactor Eng	ineer 🔹	or Carlo	•				

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9.1.2.8 COMMUNICATORS (ONE)

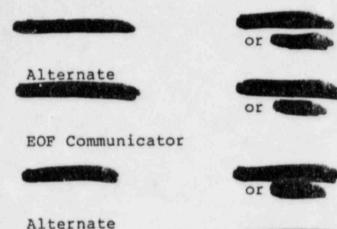
Communicator shall request call in of members for the TSC or EOF as determined by Step 9.1.1.1.

Time Called No Ans.-Contacted Called By

Technical Support Center (TSC) Communicator

Sr. Chem

Supv.-Ch



or

9.1.2.9 CHEMISTRY SAMPLING and ANALYSIS TEAM LEADER (ONE)

Communicator shall request call in of Chemistry Sampling and Analysis Team Members.

	3	Time Called	Disposition-Busy, No AnsContacted	Called By
nist	or the	3 31		
nemist	or		•	

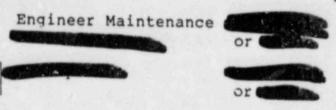
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9.1.2.10 FIRE AND DAMAGE TEAM LEADER (ONE)

Communicator shall request call in of Fire and Damage Team Members.

Time Called No Ans.-Contacted Called By



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9.1.2.11 SECURITY TEAM LEADER (ONE)

	Tim	e Called	Disposition-Busy, No AnsContacted	Called By
Security Administrative Assistant	or C			
Security Coordinator	or the			
Site Captain (Protected Area)	or a			

- 10.0 REFERENCES
 - 10.1 NUREG 0654 Criteria for Preparation and Evaluation of Rev. 1 Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMFLEMENTING PROCEPURE

EP-292 CHEMISTRY SAMPLING AND ANALYSIS TEAM PHONE LIST

1.0 PURPOSE

The purpose of this procedure is to provide guidelines and information for notification of the Chemistry Sampling and Analysis Team.

2.0 RESPONSIBILITIES

- 2.1 The Chemistry Sampling and Analysis Team Leader shall be responsible to call team members.
- 3.0 APPENDICES

None

- 4.0 PREREQUISITES None
- 5.0 SPECIAL EQUIPMENT None
- 6.0 <u>SYMPTOMS</u> None

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7.0 ACTION LEVEL

This procedure can be used when the Chemistry Sampling and Analysis Team is activated or when additional personnel are needed.

8.0 PRECAUTIONS

None

- 9.0 PROCEDURE
 - 9.1 ACTIONS
 - 9.1.1 The Chemistry Sampling and Analysis Team Leader shall call in people from the following list until appropriate positions are filled.

9.1.1.1 CHEMISTRY SAMPLING AND ANALYSIS TEAM LEADER



9.1.1.2 CHEMISTRY SAMPLING AND ANALYSIS GROUP LEADER (One)

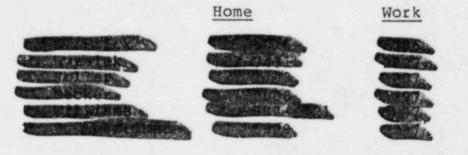
Home

Work



9.1.1.3

CHEMISTRY SAMPLING AND ANALYSIS GROUP MEMBERS



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Work Home 100

10.0 REFERENCES

None

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PHILADELPHIA ELECTRIC COMPANY LIMERICK GENERATING STATION EMERGENCY PLAN IMPLEMENTING PROCEDURE

EP-305 SITE EVACUATION

1.0 PURPOSE

1 . .

The purpose of this procedure is to define the actions to be performed if a site evacuation is required.--

2.0 RESPONSIBILITIES

- 2.1 The (Interim) Emergency Director shall direct the evacuation of the site by performing the necessary steps in this procedure.
- 2.2 Security shall perform accountability of personnel during the evacuation.
- 2.3 Bechtel/Subcontractor personnel shall evacuate in accordance with Bechtel procedures.
- 2.4 Non-essential Unit 1 and Unit 2 personnel shall evacuate.

3.0 APPENDICES

None

4.0 PREREQUISITES

None

5.0 SPECIAL EQUIPMENT

None

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6.0 SYMPTOMS

6.1 An actual or potential release exceeding that specified as an Alert or Site Emergency levels in EP-101 Classifications of Emergencies.

7.0 ACTION LEVEL

This procedure shall be implemented when a symptom of section 6.0 occurs or at the discretion of the (Interim) Emergency Director.

8.0 PRECAUTIONS

- 8.1 The decision to evacuate personnel as a protective action should be based on the determination that it will result in the lowest personnel exposure in comparison with other protective action options.
- 8.2 Consider the dose rates at the personnel assembly areas, onsite, and along evacuation routes, number of personnel onsite, and the potential for mitigating or terminating the emergency prior to personnel receiving exposures in excess of the protective action guides.
- 8.3 Initiate site evacuations before or after the passage of the release, and when practical, evacuation routes shall be given to lead personnel away from the path of the plume.

9.0 PROCEDURE

- 9.1 ACTIONS
 - 9.1.1 (Interim) Emergency Director shall:
 - 9.1.1.1 Determine the offsite assembly area based on wind direction, weather conditions, and other pertinent information:

Cromby Generating Station or,

Limerick Airport

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9.1.1.2 Determine route to be used to leave site i.e. main gate on back gate. If wind is from south consider using back gate any other direction consider the main gate.

> IF THE WIND DIRECTION IS FROM SOUTHWEST, CONSIDER USING CROMBY GENERATING STATION. ANY OTHER WIND DIRECTION CONSIDER USING LIMERICK AIRPORT.

- 9.1.1.3 Notify and inform the (Interim) Security Team Leader of the following information:
 - A. Crosen exit points and routes and selected offsite assembly areas.
 - B. Implement EP-208, Security Team Activation for Site Evacuation. (step 9.1.1.6)
- 9.1.1.4 Notify and inform the (Interim) Personnel Safety Team Leader of the following information:
 - A. Chosen exit points routes and selected offsite assembly areas.
 - B. Implement the applicable actions in EP-254, Vehicle and Evacuee Control Group.
- 9.1.1.5 Evacuate all construction personnel by contacting Bechtel Safety contacting Bechtel Safety contact for a "Total Project Evacuation" in accordance with Bechtel procedures, if not already done and direct them to report to the selected offsite assembly areas using the selected routes for leaving the site.
- 9.1.1.6 Implement the evacuation of the information center in accordance with EP-306 Evacuation of the Information Center (56 or (57)), if not already done.
- 9.1.1.7 When the (Interim) Security Leader is ready (see 9.1.1.3), direct the ACTIVATION OF THE ALARM in accordance with EP-301, Operating the Evacuation and River Warning System.

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ACTIVATE BOTH THE SIREN AND THE RIVER WARNING MESSAGE.

9.1.1.8 When the alarms are silent, ANNOUNCE EVACUATION as follows:

"ATTENTION. ALL PERSONNEL. THIS (IS)(IS NOT) A DRILL. THIS (IS)(IS NOT) A DRILL. THIS IS A SITE EVACUATION. DESIGNATED EMERGENCY PERSONNEL REPORT TO ASSIGNED EMERGENCY RESPONSE FACILITIES. ALL OTHER PERSONNEL EVACUATE THE SITE IMMEDIATELY. ALL EVACUATING PERSONNEL SHALL RE-ASSEMBLE AT THE (CPOMBY GENERATING STATION OR THE LIMERICK AIRPORT). THIS (IS)(IS NOT) A DRILL. THIS (IS)(IS NOT) A DRILL.

- 9.1.1.9 Activate alarms again.
- 9.1.1.10 Repeat announcement. Make announcement on unit 2 page
- 9.1.1.11 Direct the workers at the RMC facility on

9.2 FOLLOW-UP

- 9.2.1 Security shall:
- 9.2.1.1 Perform accountability of personnel in accordance with EP-110, Personnel Assembly and Accountability.
- 9.2.1.2 Inform the (Interim) Emergency Director of unaccounted for personnel.
- 9.2.2 (Interim) Emergency Director shall:
- 9.2.2.1 Direct the (Interim) Personnel Safety Team Leader to initiate search and rescue operations for any unaccounted for personnel in accordance with EP-252, Search & Rescue/First Aid.
- 9.2.3 Bechtel/Subcontractor (Unit 2) Personnel shall:

9.2.3.1 Evacuate in accordance with Bechtel procedures, using personal vehicle to leave the site.

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- 9.2.4 Non-Essential Unit 1 personnel shall:
- 9.2.4.1 Exit the protected area through the Admin Guard House or Technical Support Center by depositing security badges and dosimetry into containers, and report to the selected offsite assembly area, using personal vehicles.
- 9.2.4.2 Follow vehicle evacuation routes as directed by Security personnel.
- 9.2.5 Designated Emergency Team Personnel shall:
- 9.2.5.1 Report to their designated assembly area in accordance with Appendix EP-110-1, Emergency Assembly Areas.

10.0 REFERENCES

- 10.1 Limerick Generating Station Emergency Plan
- 10.2 NUREG 0654, Criteria for Preparation and Evaluation of Rev. 2 Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
- 10.3 EP-252 Search and Rescue/First Aid
- 10.4 EP-101 Classification of Emergencies
- 10.5 EP-110 Personnel Assembly and Accountability
- 10.6 EP-208 Security Team Activation
- 10.7 EP-254 Vehicle And Evacuee Control Group
- 10.8 EP-301 Operation of the Evacuation Alarm and River Warning System
- 10.9 EP-306 Evacuation of the Inf. mation Center