

NOTIFICATIONS

NOTIFICATIONS

APPROVAL PAGE

Intent Related Revision ___ Yes X No

IF YES

OSC and Site Approval

OSC Meeting Number _____ Date _____

Reviewed _____ Date _____
Manager, Emergency Preparedness

Approved _____ Date _____
Director, Plant Services

IF NO

Reviewed Susan L. Vicinie _____ Date 4-18-01
Manager, Emergency Preparedness

Approved Har P. Pearson _____ Date 4/20/01
Director, Plant Services

NOTIFICATIONS

EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-12-87
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NOTIFICATIONS

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NOTIFICATIONS**A. PURPOSE**

This procedure provides guidance for activation of the ERO and for making initial and follow-up notifications during an emergency.

B. REFERENCES

- 1.0 Beaver Valley Power Station Emergency Preparedness Plan.
- 2.0 Commonwealth of Pennsylvania Disaster Operations Plan/Annex E.
- 3.0 State of Ohio Nuclear Power Plant Emergency Response Plan.
- 4.0 West Virginia Radiological Emergency Plan for A Fixed Nuclear Facility.
- 5.0 Title 10, Code of Federal Regulations Part 50, Appendix E.
- 6.0 NUREG-0654/FEMA-REP-1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".
- 7.0 Condition Report #971737.
Condition Report #980706.
Condition Report #991967.
Condition Report #993020
TCN 1/2-00-020
Nuclear Regulatory Issue Summary 2000-11

C. RESPONSIBILITIES

The Communications and Records Coordinator (or qualified designated communicator, until properly relieved) is responsible to ensure that all required offsite notifications are completed within the proper time frame following the declaration of an emergency. Security is responsible for initial notifications to near-site buildings.

D. ACTION LEVELS/PRECAUTIONS

- 1.0 This procedure is to be initiated upon any of the following conditions:
 - 1.1 An emergency condition has been declared at the Beaver Valley Power Station as defined in the BVPS Emergency Preparedness Plan.
 - 1.2 An existing emergency condition has been reclassified to a higher emergency category, and/or, a significant deterioration in conditions has occurred.
 - 1.3 The emergency situation has been corrected, the emergency terminated, and recovery operations have begun.
- 2.0 Emergency communications will originate in the BV 1/2 Control Rooms. See EPP/IP 1.2 "Communication and Dissemination of Information" for details of the communication systems available.

NOTIFICATIONS

- 3.0 To minimize the spread of rumors and undue public anxiety, the following precautions should be followed:
 - 3.1 All initial and follow-up notifications to County and State agencies **SHALL** be made with the Bell telephone system as the primary means, with predesignated back-ups available in the event the telephone systems are inoperable. A code word is utilized to ensure only authorized individuals receive the information.
 - 3.2 Information **SHALL** be provided to only individuals whose identity is known, and whose organization is listed on the Emergency Notification Call-List EPP/IP 1.1, Attachment 2. Any requests for information should be relayed to Corporate Communications at 724-682-5201.
 - 3.3 No news announcements on the incident **SHALL** be made prior to completion of all required notifications. News announcements will be developed as coordinated by the Corporate Communications Department.
- 4.0 In the event of a forced Control Room evacuation, the Onshift Communications and Records Coordinator will relocate to the Communications Area of the TSC area of the ERF building, to make the required emergency notifications.
 - 4.1 The Onshift Communications and Records Coordinator should contact the Emergency Director for form approvals and log the Emergency Director's name on the appropriate form.

Unit #1 – 724-682-5827

Unit #2 – 724-682-5327

NOTE:

If necessary, Security may radio the officer assigned to the Emergency Director/NSS under Appendix R to relay information as needed.

- 5.0 Upon the initial declaration of an Alert, Site Area Emergency or General Emergency, Security personnel in the CAS will complete Attachment 6 of this IP.
- 6.0 All event notifications and escalations **SHOULD** be made to PEMA. Follow-Up Notifications **SHOULD** be directed to DEP/BRP. PEMA will ensure DEP/BRP is informed of the situation and contacts the plant for verification and assessment of the incident.

NOTIFICATIONS

- 7.0 Should any emergency situation require contacting the Beaver County Emergency Services Center (i.e., fire, ambulance), **DO NOT** use 9-1-1. **NOTIFY** Beaver County Emergency Services Center at (724) 775-0880.
- 8.0 Once the County Emergency Operations Centers (EOC's) are activated, the Coordinators may inform the BVPS emergency communicator of an alternate phone number to be utilized.
- 9.0 Should there be questions concerning the required notifications and/or the appropriate paperwork (notification forms, logs, etc.), personnel from Emergency Preparedness may be contacted for assistance.

E. PROCEDURE

NOTE:

Initial Notifications are to be made to the first six listed Agencies on the Emergency Notifications Call List, EPP/IP 1.1, Attachment 2 and **MUST** be made within 15 minutes of the event declaration. Subsequent notifications **MUST** still be made.

NOTE:

The BVPS Radio System is the alternate to the commercial phone system for notifications of offsite emergency response organizations. **EPP/IP 1.2 Attachment 3, Step 6.0** provides direction in its use.

NOTE:

If an emergency is reclassified and upgraded during the Follow-Up Notification process, the Communicator **SHALL** terminate the notification in progress and begin the upgraded Initial Notification process again per appropriate Attachment. If the Initial Notification Conference (INC) call is in progress, then the upgraded notifications **SHALL** be provided at this time. The 15-minute clock for the notifications will restart at the time of the upgraded declaration.

NOTE:

IF contact cannot be made with the State of West Virginia, contact Hancock County (WVa) stating West Virginia did not answer and request Hancock County Office of Emergency Services contact the State with the Initial Notification information. It does not need read again.

NOTIFICATIONS

NOTE:

Faxing of the Initial Notification Form is NOT the "Official" Notification to the Offsite Agencies and does NOT meet the 15-minute notification criteria. The 15-minute notification criteria is met and "Official" notification made when a representative of BVPS speaks with a representative of each Offsite Agency.

1.0 Initial Notifications

1.1 Complete Initial Notifications and document as thoroughly as possible according to the instructions provided.

1.2 Control Room personnel should utilize Part A of the applicable notification Attachment shown below.

- Unusual Event Notification Attachment 8
- Alert Notification Attachment 9
- Site Area Emergency Notification Attachment 10
- General Emergency Notification Attachment 11

1.3 TSC personnel should refer to Attachments 12 and 13.

2.0 Follow-Up Notifications

NOTE:

The follow-up notification provides technical information to those qualified to use the data and serves as a means to verify the authenticity of an emergency notification. The code word also provides verification.

NOTE:

Information for the Gaseous Follow-Up Notification Form is available via a MIDAS printout from Health Physics or EA&DP personnel.

2.1 Control Room personnel should utilize the applicable part of the Notification Attachment shown below.

- Unusual Event Notification Attachment 8, step 9
- Alert Notification Attachment 9, step 10
- Site Area Emergency Notification Attachment 10, step 10
- General Emergency Notification Attachment 11, step 10

2.2 TSC personnel should refer to Attachment 12, Step 3.0.

NOTIFICATIONS

3.0 Subsequent Notifications

- 3.1 If it becomes necessary to reclassify the emergency, the Initial Notification Form is used and notifications are made in the same manner specified in Section E-1 of this procedure.
- 3.2 The Follow-Up Notification Form should be updated periodically (i.e., 2 times per shift) or at the discretion of the Emergency Director. This notification does not represent a change in classification.

4.0 Transfer of Responsibility

- 4.1 When TSC personnel are activated and have arrived onsite, a turnover **SHALL** be performed from the on-shift response organization to the TSC response organization.
- 4.2 When informed by TSC Communications and Records Coordinator, transfer communication responsibilities from the Control Room to the Technical Support Center.
- 4.3 Upon notification that the communication responsibilities have transferred to the TSC, the relieved Communications and Records Coordinator **SHALL** ensure the telephone "EPP switches" are in the "NORM" position.

5.0 Termination

- 5.1 When the emergency situation at BVPS has been terminated, make the appropriate termination calls per Attachment 5, Emergency Termination Checklist.

F. FINAL CONDITIONS

- 1.0 Use of this procedure **SHALL** be terminated when the emergency situation is corrected or when directed by the Emergency Director.
- 2.0 Attachment 5 (Emergency Termination Checklist) is to be completed for termination calls to offsite agencies for all emergency events.

NOTE:

Upon termination of the emergency situation and the subsequent termination of this IP, All originals of completed Attachments **SHALL** be forwarded to Emergency Preparedness.

NOTIFICATIONS

G. ATTACHMENTS

- 1.0 INITIAL NOTIFICATION FORM
- 2.0 EMERGENCY NOTIFICATION CALL-LIST
- 3.0 FOLLOW-UP NOTIFICATION FORM
- 4.0 NRC EVENT NOTIFICATION WORKSHEET (Example)
- 5.0 EMERGENCY TERMINATION CHECKLIST
- 6.0 NEAR-SITE BUILDING EMERGENCY NOTIFICATIONS
- 7.0 ACTIVATION OF THE ERO USING BEEPERS AND ERO VOICE MAIL SYSTEM
- 8.0 UNUSUAL EVENT NOTIFICATIONS
- 9.0 ALERT NOTIFICATIONS
- 10.0 SITE AREA EMERGENCY NOTIFICATIONS
- 11.0 GENERAL EMERGENCY NOTIFICATIONS
- 12.0 TSC EVENT NOTIFICATIONS
- 13.0 NOTIFICATION FORM FAXING INSTRUCTIONS (Example)
- 14.0 ERO BEEPER ACTIVATION INSTRUCTIONS (Example)
- 15.0 ACTIVATION OF THE INITIAL NOTIFICATION CONFERENCE (INC) CALL INSTRUCTIONS (Example)

BEAVER VALLEY POWER STATION

ATTACHMENT 1 (1 of 1)

INITIAL NOTIFICATION FORM

THIS IS A DRILL ***THIS IS AN ACTUAL EVENT***

1. THIS IS BEAVER VALLEY POWER STATION, MY NAME IS _____ (Name).
THE CODE WORD IS _____.
MAY I PLEASE HAVE YOUR NAME _____ (Document on IP 1.1 Attachment 2).
THE TIME IS _____ (Document on IP 1.1 Attachment 2).

2. EMERGENCY CLASSIFICATION

UNUSUAL EVENT SITE AREA EMERGENCY
 ALERT GENERAL EMERGENCY
 THE EVENT HAS BEEN TERMINATED.

UNIT #1 UNIT #2 TIME: _____ DATE: _____

THIS PRESENTS A/AN INITIAL DECLARATION
 ESCALATION
 NO CHANGE

IN CLASSIFICATION STATUS

3. THE EMERGENCY ACTION LEVEL (EAL) NUMBER IS: _____
BRIEF NON-TECHNICAL DESCRIPTION OF EVENT _____

4. THERE IS NO
 AN AIRBORNE
 A LIQUID

NON-ROUTINE RADIOLOGICAL RELEASE IN PROGRESS

5. PROTECTIVE ACTION RECOMMENDATION (PAR) _____

6. WIND DIRECTION IS FROM: _____ degrees AT 150'; WIND SPEED IS: _____ mph AT 35'

THIS IS A DRILL ***THIS IS AN ACTUAL EVENT***

APPROVED _____ DATE _____

NOTE:
THIS PAPER IS INTENDED TO BE PINK FOR BVPS ONLY, IT IS WHITE TO ACCOMODATE FAXING.

NOTIFICATIONS

INTENTIONALLY BLANK

INITIAL NOTIFICATION
 THE AGENCIES LISTED BELOW MUST BE NOTIFIED WITHIN FIFTEEN (15) MINUTES
 AFTER THE EMERGENCY HAS BEEN DECLARED.

ORGANIZATION	CIRCLE ONE		CIRCLE ONE		CONTACT		FAX	INI.
	PRIMARY NUMBER	ALTERNATE NUMBER	EMERGENCY CLASS		NAME	TIME*		
1. Beaver County Emergency Management Agency Relay To: R. Chiodo, Director EOC Number: _____	724-775-0880 9-1-1 Dispatcher Beaver, PA	724-774-1049 BCEMA Director Director's Office	UE ALERT	SAE GE			Y N	
2. PA Emergency Management Agency Duty Officer	1-717-651-2001	Relay Thru BC-911 724-775-0880 BCEMA Director	UE ALERT	SAE GE			Y N	
3. Columbiana County Emergency Management Agency Relay To: J. Carter, Director EOC Number: _____	1-330-424-7255 Sheriff's Dispatcher Lisbon, OH	1-330-424-9725 CCEMA Director Director's Office	UE ALERT	SAE GE			Y N	
4. Ohio Emergency Management Agency Duty Officer EOC Number: _____	1-614-889-7150 Columbus, OH	1-614-466-2660 Ohio Highway Patrol Dispatcher	UE ALERT	SAE GE			Y N	
5. West Virginia Office of Emergency Services Duty Officer	1-304-558-5380 Charleston, WV	1-304-564-4100 Sheriff's 9-1-1 Dispatcher New Cumberland, WV	UE ALERT	SAE GE			Y N	
6. Hancock County Office of Emergency Services Relay To: K. Sutton, Director EOC Number: _____	1-304-564-4100 Sheriff's 9-1-1 Dispatcher N. Cumberland, WV	1-304-564-4068 HCOES Dispatcher Dispatcher's Office	UE ALERT	SAE GE			Y N	

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

FOLLOW-UP NOTIFICATION

ORGANIZATION	CIRCLE ONE		CIRCLE ONE		CONTACT		FAX	INI.
	PRIMARY NUMBER	ALTERNATE NUMBER	CURRENT CLASSIFICATION		NAME	TIME*		
1. Beaver County Emergency Management Agency Relay To: R. Chiodo, Director EOC Number: _____	724-775-0880 9-1-1 Dispatcher Beaver, PA	724-774-1049 BCEMA Director Director's Office	UE ALERT	SAE GE			Y N	
2. PEMA / DEP/BRP	1-717-651-2001	Relay Thru BC-911 724-775-0880 BCEMA Director	UE ALERT	SAE GE			Y N	
3. Columbiana County Emergency Management Agency Relay To: J. Carter, Director EOC Number: _____	1-330-424-7255 Sheriff's Dispatcher Lisbon, OH	1-330-424-9725 CCEMA Director Director's Office	UE ALERT	SAE GE			Y N	
4. Ohio Emergency Management Agency Duty Officer EOC Number: _____	1-614-889-7150 Columbus, OH	1-614-466-2660 Ohio Highway Patrol Dispatcher	UE ALERT	SAE GE			Y N	
5. West Virginia Office of Emergency Services Duty Officer	1-304-558-5380 Charleston, WV	1-304-564-4100 Sheriff's 9-1-1 Dispatcher New Cumberland, WV	UE ALERT	SAE GE			Y N	
6. Hancock County Office of Emergency Services Relay To: K. Sutton, Director EOC Number: _____	1-304-564-4100 Sheriff's 9-1-1 Dispatcher N. Cumberland, WV	1-304-564-4068 HCOES Dispatcher Dispatcher's Office	UE ALERT	SAE GE			Y N	

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

EPP/Implementing Procedure
 NOTIFICATIONS
EMERGENCY NOTIFICATION CALL-LIST (Cont'd)

The following are to be notified only for the emergency classifications listed in the Emergency Class column.

ORGANIZATION	CIRCLE ONE		CIRCLE ONE	CONTACT		INITIALS
	PRIMARY NUMBER	ALTERNATE NUMBER	EMERGENCY CLASS	NAME	TIME*	
7. U.S. Nuclear Regulatory Commission During Normal Working Hours	NRC/ENS FAX	1-301-816-5100 or 1-301-951-0550 or 1-301-415-0550 1-301-816-5151	UE SAE ALERT GE			
8. Contact one of the following: Superintendent Unit 1 Operations or Superintendent Unit 2 Operations Notifies Plant Mgr. Notifies Sr. V.P. BVPS	5111 5104 1895 5234	Albert Hartner 724-378-2639 G. E. Storolis W. Pearce 724-643-4543 L. Myers 330-757-7177	UE ONLY			
9. Corp. Comm. (Notify One) A. J. Fenwick T. M. Schneider R. G. Wilkins	5201 330-761-4055 419-321-7129	724-899-2396 330-659-6810 440-774-2606 (Pager 1-419-640-3229)	UE ONLY			
10. BVPS Emergency Preparedness (Notify One) S. L. Vicinie H. I. Szklinski J. C. Contreras S. J. Paletta D. W. Skorupan	5767 5772 5773 5774 5808	724-869-7165 724-457-9210 412-795-4931 304-387-4393	UE ONLY			
11. NRC BVPS Site Rep. (Notify One) D. Kern G. Wertz G. Dentel	5570 5570 5570	724-728-3135 724-770-0393 412-749-3877	UE ONLY			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

EPP/Implementing Procedure
 NOTIFICATIONS
 EMERGENCY NOTIFICATION CALL-LIST (Cont'd)

EPP/IP 1.1
 A5.715DQ
 ATTACHMENT 2 (4 of 10)

The following organizations are notified only for the emergency classifications listed in the Emergency Class. column.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMERGENCY CLASS	NAME	TIME*	
12. Bruce Mansfield Power Station	724-643-2300 724-643-5851	ALERT SAE GE			
13. Midland Water Plant	724-643-4920 (8:00-11:00 a.m. M thru F) Alternate: Beaver Co. EMA - 724-775-0880	Liquid Release			
14. East Liverpool Water Plant Contact: Mr. Clark	1-330-385-5050 1-330-385-8812	Liquid Release			
15. Chester, W. VA. Water Plant	1-304-564-4100 (24 hours) 1-304-387-2820	Liquid Release			
16. U.S Corps of Engineering a. New Cumberland Dam (Downriver) b. Montgomery Dam (Upriver)	1-740-537-2571 724-643-8400 Alternate: Beaver Co. EMA-724-775-0880	Liquid Release			
17. U.S. Coast Guard Marine Safety	412-644-5808 (Daylight) 1-800-253-7465 (Night) 1-800-424-8802 (Nat'l Response) Alternate: Beaver Co. EMA-724-775-0880	All offsite Releases - Actual or Imminent			
18. INPO	1-800-321-0614 (24 hr.) (Switchboard) FAX - 1-770-644-8549 FAX - 1-770-644-8567 FAX - 1-770-644-8594	ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

The following organizations are notified only for the emergency classifications listed in the Emergency Class. column.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMER. CLASS	NAME	TIME*	
19. Westinghouse Atomic Power Division					
a. Site Rep. (Don Durkosh)	724-682-5461 (W) 412-305-3198 (B) 412-741-1861 (H) 724-544-3010 (Cell)				
b. Ed Dzanis	412-374-5216 (W) 412-372-3534 (H) 412-634-359 (W) Beeper) 412-855-0505 (Car)	ALERT SAE GE			
c. Bruce Garry	412-374-6605 (W) 724-327-9051 (H) 412-760-4863				
20. American Nuclear Insurers					
• Radiological Nuclear Emergencies	1-860-561-3433 (Ext. 500)	ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

**EPP/Implementing Procedure
NOTIFICATIONS
EMERGENCY NOTIFICATION CALL-LIST (Cont'd)**

**EPP/IP 1.1
A5.715DQ
ATTACHMENT 2 (6 of 10)**

The following organizations are not normally notified directly in the event of an emergency at BVPS, but may be contacted if particular emergency conditions warrant.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMERGENCY CLASS	NAME	TIME*	
21. Pennsylvania DEP/BRP	1-717-651-2001	UE ALERT SAE GE			
22. Ohio Dept. of Health Bureau of Radiation Protection	614-644-2727	UE ALERT SAE GE			
23. Pennsylvania State Police (Brighton Barracks)	724-773-7400	UE ALERT SAE GE			
24. BOC Gases	1-304-387-0889 (24 Hrs.)	UE ALERT SAE GE			
25. Ashland Oil Co.	1-800-274-5263	UE ALERT SAE GE			
26. Freedom Station Valvoline Oil	724-774-2020	UE ALERT SAE GE			
27. Buckeye Pipeline Co.	1-800-523-9420 (24 Hrs.) 1-800-551-1285 (24 Hrs.) 1-800-331-4115 (24 Hrs.)	UE ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

The following organizations are not normally notified directly in the event of an emergency at BVPS, but may be contacted if particular emergency conditions warrant.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMERGENCY CLASS	NAME	TIME*	
28 Peoples Natural Gas	1-800-300-3333	UE ALERT SAE GE			
29. DOE RAP/IRAP Brookhaven Area Office	1-516-344-2200 (24 Hrs.)	UE ALERT SAE GE			
30. Medic-Rescue Ambulance Service	Relay through Beaver Co. EMA-724-775-0880 Alternate: 724-773-3104 724-728-3620 (Office)	UE ALERT SAE GE			
31. Shippingport Fire Department	Relay through Beaver Co. EMA-724-775-0880 Alternate: 724-773-3100	UE ALERT SAE GE			
32. Shippingport Borough	Relay through Beaver Co. EMA-724-775-0880 Alternate: Police 724-643-1371 Manager 724-643-4333 (W), 724-643-9661 (H)	UE ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

The following organizations are not normally notified directly in the event of an emergency at BVPS, but may be contacted if particular emergency conditions warrant.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMERGENCY CLASS	NAME	TIME*	
33. The Medical Center, Beaver, PA Emergency Room	724-728-7110 Alternate: Relay through Beaver Co. EMA-724-775-0880	UE ALERT SAE GE			
34. University of Pittsburgh Medical Center - Presbyterian Emergency Room	412-647-3333	UE ALERT SAE GE			
35. UPMC - Presby Radiation Emergency Response Program, Dept. of Radiation Medicine Radiation Safety Office	412-647-3595 412-624-2728	UE ALERT SAE GE			
36. West Virginia Bureau For Public Health /Radiation Protection	1-304-558-3526	UE ALERT SAE GE			
37. CSX Transportation Chief Dispatcher	1-800-232-0144	UE ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

The following organizations are not normally notified directly in the event of an emergency at BVPS, but may be contacted if particular emergency conditions warrant.

ORGANIZATION	NUMBER	CIRCLE ONE	CONTACT		INITIALS
		EMERGENCY CLASS	NAME	TIME*	
38. US National Weather Service-Pittsburgh Forecast Office Coraopolis Office	412-262-1882 (24 Hrs.)	UE ALERT SAE GE			
39. US Corps of Engineers Emergency Management Divisions	412-395-7144	UE ALERT SAE GE			
40. EPA Region III	215-814-9016	UE ALERT SAE GE			
41. National Response Center-DC (All Hazards)	800-424-8802 (24 Hrs.)	UE ALERT SAE GE			
42. PA Dept. of Environmental Protection	412-442-4000 (24 Hrs.)	UE ALERT SAE GE			
43. PennDOT - Bridgeville Office Dist. Maint. Engr. - William Sacco	412-429-5002 (W) 724-693-8214 (H)	UE ALERT SAE GE			
44. PennDOT - Rochester Office Maint. Manager - Frank Bologna	724-774-6610 (W) 724-869-5296 (H)	UE ALERT SAE GE			

* Contact Time = Time of Initial Contact With Individual

Comm&Records Coord Signature: _____

Date: _____

EMERGENCY NOTIFICATION CALL-LIST (Cont.) ATTACHMENT 2 (10 of 10)

APPENDIX R PAX PHONES

Unit #1

East Cable Vault (BIP Area) 5827

West Cable Vault 5827

Unit #2

Alternate Shutdown Panel 5327

NOTE: If necessary, CAS may radio the officer assigned to the Emergency Director/NSS under Appendix R, to relay information, as needed.

FOLLOW-UP NOTIFICATION FORM

THIS IS A DRILL

THIS IS AN ACTUAL EVENT

NOTE:

NO IMMEDIATE CALLBACK IS REQUIRED. If you have not received a call verifying receipt of this FAX within 30 minutes, please call (724) 643-8000.

1. THIS IS: _____ AT BEAVER VALLEY POWER STATION
UNIT 1/UNIT 2, THE CODE WORD IS _____. MAY I HAVE YOUR
NAME PLEASE _____.

2. THE FOLLOWING DATA REPRESENT THE MOST CURRENT AND ACCURATE
INFORMATION, PROJECTIONS, AND/OR PROGNOSIS AVAILABLE AS OF:

TIME: _____ DATE: _____

3. EMERGENCY CLASSIFICATION:

UNUSUAL EVENT

SITE AREA EMERGENCY

ALERT

GENERAL EMERGENCY

DECLARED AT: TIME _____ DATE _____

4. CAUSE OF EMERGENCY (EAL ____) _____

APPROVED _____

FOLLOW-UP NOTIFICATION

NOTE:

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BEAVER VALLEY POWER STATION

ATTACHMENT 3 (2 of 5)

FOLLOW-UP NOTIFICATION FORM

5. CURRENT PLANT STATUS: _____

CONDITIONS: STABLE UNSTABLE
REACTOR: SHUTDOWN AT POWER
EQUIPMENT DAMAGE:
NONE MINOR MAJOR
COOLING: NORMAL COOLDOWN (FORCED FLOW)
NORMAL COOLDOWN (NATURAL CIRCULATION)
SAFETY INJECTION COOLDOWN (FEED AND BLEED)
N/A

6. ACCIDENTAL RADIOLOGICAL RELEASE: (TSC Only, See EA&DP)
GASEOUS TO ATMOSPHERE
LIQUID TO OHIO RIVER
N/A

7. SURFACE CONTAMINATION ESTIMATES: _____

8. NON-PLANNED RADIOLOGICAL RELEASE: (TSC Only, See EA&DP)
NO ROUTINE BATCH RELEASES WAS IN PROGRESS PRIOR TO DECLARATION.
ANY ROUTINE BATCH RELEASE HAS BEEN DISCONTINUED
N/A

9. REQUEST FOR OFFSITE SUPPORT: Specify Needs: _____

NOTE:
THIS PAPER IS INTENDED TO BE PINK FOR BVPS ONLY, IT IS WHITE TO ACCOMODATE FAXING.

GASEOUS

ATTACHMENT 3 (3 of 5)

FOLLOW-UP NOTIFICATION FORM

NOTE: Items numbered to coincide with MIDAS print-out.

- [1] Time Prepared: _____
- [2] Type of Accident: (Circle One)
 - LOCA/WITH DBA ACTIVITY • STM GEN TUBE RUPTURE • FUEL HANDLING ACCIDENT
 - SMALL LINE BREAK LOCA • LOSS OF AC POWER • WASTE GAS DECAY TANK
 - LOCA/WITH GAP ACTIVITY • RCCA EJECT • FSAR BASIS
 - LOCA/WITH RCS ACTIVITY • MAIN STEAMLINE • TID LOCA
- [3] Time of Rx Trip or Accident start: _____
- [4] Release Started: (Y) (N) [5] Time: _____ (actual) (proj.)
- [6] Release Stopped: (Y) (N) [7] Duration: _____ (actual) (proj.)
- [8] Potential For Additional Release: (Y) (N)
- [9] Projected Release Based on: _____

- [10] Noble Gas: _____ uCi/sec
- [11] Iodine: _____ uCi/sec
- [12] Total: _____ uCi/sec
- [13] I/NG Ratio: _____
- [14] Monitor ID: _____ U1 or U2 (Circle One)
- [15] Reading: _____ cpm or uCi/cc (Circle One) [16] Flow: _____ cfm
- [17] 35ft Wind Speed: _____ [18] Delta-T: _____ [19] Stability: _____
- [20] 150ft Direction: _____ [21] 500ft Direction: _____ [22] Precip: (Y) (N)
- [23] Source: _____

NOTE:
THIS PAPER IS INTENDED TO BE PINK FOR BVPS ONLY, IT IS WHITE TO ACCOMODATE FAXING.

GASEOUS

ATTACHMENT 3 (4 of 5)

FOLLOW-UP NOTIFICATION FORM

	Dist	Sectors (a)	TEDE (b)	Projected Thyroid CDE (c)
[24]	EAB	_____	_____ REM	_____ REM
[25]	2 mi	_____	_____ REM	_____ REM
[26]	5 mi	_____	_____ REM	_____ REM
[27]	10 mi	_____	_____ REM	_____ REM

[28] EDE-TO-TEDE Ratio: _____

[29] Actual Field Monitoring Results:

Time (a)	Point (b)	WB REM/Hr (c)	Thy REM/Hr (d)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

OFFSITE PROTECTIVE ACTION RECOMMENDATION: _____

NOTE:
THIS PAPER IS INTENDED TO BE PINK FOR BVPS ONLY, IT IS WHITE TO ACCOMODATE FAXING.

LIQUID

ATTACHMENT 3 (5 of 5)

FOLLOW-UP NOTIFICATION FORM

DATE _____ / TIME _____

1. Potential For Additional Release: Yes No

LIQUID RELEASE ASSESSMENT:

PROCEDURE _____ ATTACHMENT(s) _____

2. RADIONUCLIDES IN SAMPLE:

H-3 = _____	uCi/ml	_____ = _____	uCi/ml
_____ = _____	uCi/ml	_____ = _____	uCi/ml
_____ = _____	uCi/ml	_____ = _____	uCi/ml
_____ = _____	uCi/ml	_____ = _____	uCi/ml
_____ = _____	uCi/ml	_____ = _____	uCi/ml
_____ = _____	uCi/ml	_____ = _____	uCi/ml

	<u>Actual</u>	<u>Projected</u>
3. TIME OF RELEASE START	_____	_____
TIME OF RELEASE STOP	_____	_____
RELEASE DURATION	_____ Hrs	_____ Hrs.
RELEASE FLOW RATE	_____ gpm	_____ gpm
DILUTION RATE (Due to BVPS)	_____ gpm	_____ gpm
OHIO RIVER FLOW RATE	_____ cuft/sec	_____ cuft/sec

4. **TS/ODCM FRACTION** _____
(TS/ODCM Limit = 10 x NRC-EC)

- No Emergency
- Unusual Event (TS/ODCM Fraction is > 2, and release ≥ 60 minutes)
- Alert Emergency (TS/ODCM Fraction is > 200, and release ≥ 15 minutes)

5. **EPA MPC FRACTION** _____

- No PAR required (EPA-MPC is < 12)
- PAR REQUIRED PER EPP/IP 4.1 (EPA-MPC > 12: NOTIFY THE MIDLAND WATER TREATMENT PLANT AND RECOMMEND THE PLANT STOP INTAKE FROM THE OHIO RIVER UNTIL NOTIFIED BY DEP/BRP. ALSO REFER TO EPP/IP 1.1 ATTACHMENT 2 FOR OTHER NOTIFICATIONS.)

NOTE:
THIS PAPER IS INTENDED TO BE PINK FOR BVPS ONLY, IT IS WHITE TO ACCOMODATE FAXING.

NOTIFICATIONS

ATTACHMENT 4 (1 of 2)

NRC FORM 361		U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER			
EVENT NOTIFICATION WORKSHEET					
NOTIFICATION TIME	FACILITY OR ORGANIZATION	UNIT	CALLER'S NAME	CALL BACK =: ENS _____ Or () _____ - _____	
EVENT TIME & ZONE	EVENT DATE	1-Hr Non-Emergency 10 CFR 50.72(b)(1)		(v) Lost Offsite Comms	AESS
POWER/MODE BEFORE	POWER/MODE AFTER	(i) (A) TS Required S/D	ASHU	(vi) Fire	AFIR
		(i) (B) TS Deviation	ADEV	(vi) Toxic Gas	ACHE
		(ii) Degraded Condition	ADEG	(vi) Rad Release	ARAD
		(ii) (A) Unanalyzed Condition	AUNA	(vi) Oth Hampering Safe Op.	AHIN
		(ii) (B) Outside Design Basis	AOUT	4-Hr Non-Emergency 10 CFR 50.72(b)(2)	
EVENT CLASSIFICATIONS		(ii) (C) Not Covered by Ops/Eps	ACNC	(i) Degrade While S/D	ADAS
GENERAL EMERGENCY	GEN/AAEC	(iii) Earthquake	ANEA	(ii) RPS Actuation (scram)	ARPS
SITE AREA EMERGENCY	SIT/AAEC	(iii) Flood	ANFL	(ii) ESF Actuation	AESF
ALERT	ALE/AAEC	(iii) Hurricane	ANHU	(iii) (A) Safe S/D Capability	AINA
UNUSUAL EVENT	UNU/AAED	(iii) Ice/Hail	ANIC	(iii) (B) RHR Capability	AINB
50.72 NON-EMERGENCY	<i>(See next Columns)</i>	(iii) Lightning	ANLI	(iii) (C) Control of Rad Release	AINC
PHYSICAL SECURITY (73.71)	D???	(iii) Tornado	ANTO	(iii) (D) Accident Mitigation	AIND
TRANSPORTATION	NTRA	(iii) Oth Natural Phenomenon	ANOT	(iv) (A) Air Release > 2X App B	AAIR
20.403 MATERIAL/EXPOSURE	B???	(iv) ECCS Discharge to RCS	ACCS	(iv) (B) Liq Release > 2X App B	ALIQ
OTHER NDAM, NLCO, NBNL, NINF, NLTR,		(v) Lost ENS	AENS	(v) Offsite Medical	AMED
NONR, CDEF, FLOM, EIRR, GCON		(v) Lost Emerg. Assessment	AARC	(vi) Offsite Notification	APRE

EXAMPLE

Include: Systems affected, actuations & their initiating signals, causes, effect of event on plant, actions taken or planned, etc.

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	YES <i>(Explain above)</i>	NO
NRC RESIDENT						
STATE(s)				DID ALL SYSTEMS FUNCTION AS REQUIRED?	YES	NO <i>(Explain above)</i>
LOCAL						
OTHER GOV AGENCIES				MODE OF OPERATION	ESTIMATE FOR	ADDITIONAL INFO
MEDIA/PRESS RELEASE				UNTIL CORRECTED:	RESTART DATE:	ON BACK?

NOTIFICATIONS

ATTACHMENT 4 (2 of 2)

EVENT NOTIFICATION WORKSHEET

NRC Form 361 (8-89)

Additional Information

USNRC OPERATIONS CENTER

RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS <i>(Specific details/explanations should be covered in event description)</i>							
<input type="checkbox"/> LIQUID RELEASE	<input type="checkbox"/> GASEOUS RELEASE	<input type="checkbox"/> UNPLANNED RELEASE	<input type="checkbox"/> PLANNED RELEASE	<input type="checkbox"/> ONGOING	<input type="checkbox"/> TERMINATED		
<input type="checkbox"/> MONITORED	<input type="checkbox"/> UNMONITORED	<input type="checkbox"/> OFFSITE RELEASE	<input type="checkbox"/> T.S. EXCEEDED	<input type="checkbox"/> RM ALARMS	<input type="checkbox"/> AREAS EVACUATED		
<input type="checkbox"/> PERSONNEL EXPOSED OR CONTAMINATED		<input type="checkbox"/> OFFSITE PROTECTIVE ACTIONS RECOMMENDED		*State release path in description			
	Release Rate (Ci/sec)	% T.S. LIMIT	HOO GUIDE	Total Activity (Ci)	% T.S. LIMIT	HOO GUIDE	
Noble Gas			0.1 Ci/sec				
Iodine			10 uCi/sec				
Particulate			1 uCi/sec				
Liquid (excluding tritium & dissolved noble gases)			10 uCi/min				
Liquid (tritium)			0.2 Ci/min				
Total Activity							
	PLANT STACK	CONDENSER/AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER		
RAD MONITOR READINGS:							
ALARM SETPOINTS:							
% T.S. LIMIT <i>(if applicable)</i>							
RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: <i>(specific details/explanations should be covered in event description)</i>							
LOCATION OF THE LEAK <i>(e.g., SG #, valve, pipe, etc.):</i>							
LEAK RATE:	UNITS: gpm/gpd	T.S. LIMITS:	SUDDEN OR LONG TERM DEVELOPMENT:				
LEAK START DATE:	TIME:	COOLANT ACTIVITY & UNITS: PRIMARY -		SECONDARY -			
LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL:							
EVENT DESCRIPTION <i>(Continued from front)</i>							
EXAMINED							

EMERGENCY TERMINATION CHECKLIST

NOTE: The Offsite agencies **DO NOT** maintain the Emergency Termination Checklist. Instruct the agency to log the termination information and inform the cognizant individual of their organization of the termination date and time.

"This is Beaver Valley Power Station. This notification is to inform you that the emergency situation at Beaver Valley Power Station has been terminated on _____ Date _____ hours. Please complete all applicable procedures before terminating."

ORGANIZATION	PERSON CONTACTED	NUMBER	CONTACT TIME *	INITIALS
Beaver County Emergency Management Agency		724-775-0880		
PA Emergency Management Agency		1-717-651-2001		
Columbiana County Emergency Management Agency		1-330-424-7255		
Ohio Emergency Management Agency		1-614-889-7150		
Hancock County Office of Emergency Services		1-304-564-4100		
West Virginia Office of Emergency Services		1-304-558-5380		
U.S. Nuclear Regulatory Commission		1-301-816-5100		
Corporate Communications		724-682-5201		
Bruce Mansfield Power Station		724-643-2300		

* Contact Time = Time of Initial Contact With Individual

Approved (ED/ERM) _____

Date: _____

EMERGENCY TERMINATION CHECKLIST

NOTE: Notifications regarding the termination of the emergency situation at BVPS SHALL be made to any agency receiving Initial or Follow-Up Notifications.

ORGANIZATION	PERSON CONTACTED	NUMBER	CONTACT TIME *	INITIALS

* Contact Time = Time of Initial Contact With Individual

Approved (ED/ERM) _____

Date: _____

NOTIFICATIONS

BEAVER VALLEY POWER STATION

ATTACHMENT 6 (1 of 2)

**SECURITY NEAR-SITE BUILDING
EMERGENCY NOTIFICATION INSTRUCTIONS**

- 1) At the initial declaration of an Alert, or higher, emergency classification or if a Site protective action is required as determined by the Emergency Director (NSS), Security personnel **SHALL** page each of the following facilities using the building page number shown below or contact a listed individual.

TIME NOTIFIED

- A) Training Building _____
PAX 7003 Building Page
- B) Simulator Building _____
PAX 7001 Building Page
- C) Site Engineering Building (SEB) _____
PAX 7007 Building Page
- D) Warehouse 22 _____
PAX 7002 Building Page

NOTIFICATIONS

BEAVER VALLEY POWER STATION

ATTACHMENT 6 (2 of 2)

**SECURITY NEAR-SITE BUILDING
EMERGENCY NOTIFICATION INSTRUCTIONS**

- 2) Security personnel will circle or complete the following information per the Emergency Director (designee) and provide over the page/phone. Repeat message.

PART I

This is an ACTUAL EVENT. Beaver Valley Power Station Unit # 1 / 2 has declared an emergency classification of ALERT / SITE AREA / GENERAL EMERGENCY at (Time) _____. All Emergency Response Personnel **SHALL** report to their Emergency Response positions. This is an ACTUAL EVENT.

PART II

NOTE: READ ONLY IF A SITE EVACUATION IS REQUIRED.

This is an ACTUAL EVENT. A Site Evacuation has been declared by the Emergency Director. All non-emergency response personnel:

- 1) Are dismissed to GO HOME.
- 2) REPORT TO THE Hookstown Grange Offsite Assembly Area, or
- 3) REPORT TO THE Western District Headquarters Raccoon Substation) Offsite Assembly Area to await further instructions.

This is an ACTUAL EVENT.

NOTIFICATIONS

ATTACHMENT 7 (1 of 8)

**ACTIVATION OF THE ERO
USING BEEPERS AND ERO VOICE MAIL SYSTEM**

A. PURPOSE

This attachment is for using beepers and the Voice Mail System to make emergency event notifications to Emergency Response Organization (ERO) personnel and to verify that adequate ERO staffing levels are available.

B. RESPONSIBILITY

The Onshift Communications and Records Coordinator is responsible to ensure the actions outlined in this attachment are implemented.

C. EQUIPMENT AND MATERIALS

1.0 The following beeper notification system equipment is kept in CAS:

1.1 ERO beeper.

2.0 The following are found in the Control Room EPP sealed drawer.

2.1 Event Classification Packages

NOTIFICATIONS

ATTACHMENT 7 (2 of 8)

D. PROCEDURE

1.0 Beeper Activation, using ERO Voice Mail System by CAS.

NOTE:

If at any time prior to beeper activation utilizing the 5080 suffix, the beepers activate with the appropriate code and with 4370 or 4380 as the last four (4) digits, continue with the Initial Notifications in progress.

1.1 Upon the failure of the BVERS to actuate the ERO beepers, or at the discretion of the NSS/Emergency Director, the Onshift Communications and Records Coordinator **SHALL** call the Central Alarm Station (CAS), providing to the Nuclear Security Shift Supervisor or designee the following:

1.1.1 Your name and position.

1.1.2 EPP Code Word.

1.1.3 Event Classification

1.1.4 Appropriate beeper code:

9999995080 ("Actual Event")

0000005080 ("Actual Event--Site Inaccessible")

1.1.5 Request a call back when CAS pager actuates with proper code.

NOTIFICATIONS

ATTACHMENT 7 (3 of 8)

1.1.6 Instructions as to which message to be used for the ERO Voice Mail System:

"Actual Event"

"Actual Event--Site Inaccessible"

1.2 Instruct the Nuclear Shift Security Supervisor to activate the beepers with the appropriate code.

1.2.1 Instruct the Nuclear Shift Security Supervisor to repeat the beeper activation two (2) times, 10 minutes apart to ensure that all appropriate personnel receive the call (i.e., 11:00 original call, 11:10 first recall, 11:20 second recall).

1.3 Once the ERO Voice Mail message has been changed, the Nuclear Security Shift Supervisor, or his designee, **SHALL** activate the ERO beepers.

NOTE:

The BVPS Radio System is the alternate to the commercial phone system for notification of offsite emergency response organizations. **EPP/IP 1.2, Attachment 3, Step 6.0** provides direction in its use.

1.4 Twenty minutes after the CAS pager has actuated, perform the following:

NOTE:

The ERO Voice Mail System has a maximum of 4 lines available. If no lines are available, a busy signal will be received.

1.4.1 Remove the last three (3) pages of this Attachment "ERO Position List".

1.4.2 From a touch-tone phone or from a PAX phone dial 9-682-5080.

NOTIFICATIONS

ATTACHMENT 7 (4 of 8)

- 1.4.3 When the message begins press #.

NOTE:

Any calls responding to the beeper activation that are received by CAS or the Control Room are also to be included in the ERO Beeper Holders List.

NOTE:

Pressing **1** will repeat the voice mail message, pressing **2** will go to the next message. **DO NOT ERASE** voice mail messages. You do not have to wait for the prompt to press **1** or **2**.

- 1.4.4 When prompted to enter a Mail Box Number, enter * **1 1 3** for an Actual Event or * **1 1 4** for an Actual Event-Site Inaccessible.

NOTE:

ERO Call List and ERO Beeper Holders List are located on the EP Department Web Page.

- 1.5 On the “ERO Position List”, record the callers name, ETA and if they are “fit-for-duty” in the columns beside their ERO position. If a caller reports not “fit-for-duty”, write N/A in the ETA column.

NOTE:

The first 18 positions on the “ERO Position List” is the “Minimum Staffing” for TSC activation.

- 1.6 When done with messages on the ERO Voice Mail System, press * * to exit Voice Mail.

NOTIFICATIONS

ATTACHMENT 7 (5 of 8)

- 1.7 Verify the first 18 positions on the “ERO Position List” are filled.

<p>NOTE:</p> <p>Attempts to contact designated coordinators or alternates of a position should be made using the current Emergency Response Organization Call List.</p>
--

- 1.8 If no one for a designated position on the Minimum Staffing Section of the “ERO Position List” has responded, make follow-up calls to the designated coordinator **OR** alternates **UNTIL** a person qualified to fill that position has been contacted.
 - 1.9 When all responses have been recorded on the “ERO Position List” **AND** the Minimum Staffing Checklist, perform the following:
 - 1.9.1 Deliver copies of all paperwork to the ED.
 - 1.9.2 Retain the original paperwork and forward to the Emergency Preparedness upon termination of the event.
 - 1.10 When the emergency terminates or at the direction of the NSS/Emergency Director or Communications and Records Coordinator, have CAS return the ERO Voice Mail message to the **NORMAL** message.
 - 1.11 In the case of an actual emergency, Control Room personnel **SHOULD NOT** erase the incoming voice mail messages. They are to be retained for permanent records of the calls received during the emergency.
- 2.0 Return to EPP/IP 1.1, Notification Attachment in progress.

NOTIFICATIONS

ERO POSITION LIST

ATTACHMENT 7 (6 of 8)

POSITION	NAME	ETA	FFD
EMERGENCY DIRECTOR			
COMMUNICATIONS & RECORDS COORDINATOR			
COMMUNICATIONS ASSISTANT			
COMMUNICATIONS ASSISTANT			
COMMUNICATIONS ASSISTANT			
EA&DP COORDINATOR			
TSC COORDINATOR			
RADCON COORDINATOR			
MAINTENANCE COORDINATOR			
ENGINEERING COORDINATOR			
OSC COORDINATOR			
ROC COORDINATOR			
COMPUTER COORDINATOR			
MECHANICAL ENGINEER			
ELECTRICAL ENGINEER			
NUCLEAR ENGINEER			
CHEMISTRY COORDINATOR			
EMERGENCY RECOVERY MANAGER			

ERO POSITION LIST

POSITION	NAME	ETA	FFD
OSC COORDINATOR ASSISTANT			
OSC COMMUNICATOR			
ROC COORDINATOR ASSISTANT			
ROC COORDINATOR ASSISTANT			
ROC COORDINATOR ASSISTANT			
ASSISTNAT TO THE EMERGENCY DIRECTOR			
TSC OPS COORDINATOR			
TSC OPS COORDINATOR ASSISTANT			
OPS COMMUNICATOR			
OPS COMMUNICATOR			
OPS COMMUNICATOR			
EA&DP ASSISTANT			
EA&DP ASSISTANT			
ENVIRONMENTAL COORDINATOR			
CHEMISTRY COORDINATOR ASSISTANT			
COMPUTER OPERATOR			
COMPUTER OPERATOR			
COMPUTER OPERATOR			
MATERIALS ENGINEER			

NOTIFICATIONS

ERO POSITION LIST

ATTACHMENT 7 (8 of 8)

POSITION	NAME	ETA	FFD
SYSTEM ENGINEER			
ASSISTANT TO THE EMERGENCY/RECOVERY MANAGER			
EOF OPERATIONS COORDINATOR			
EOF OPS COMMUNICATOR			
OFFSITE AGENCY LIAISON			
NUCLEAR COMMUNICATIONS MANGER			
NUCLEAR COMMUNICATIONS WRITER			
NUCLEAR COMMUNICATIONS WRITER			
NUCLEAR COMMUNICATIONS TECHNICAL ADVISOR			
JPIC MANAGER			
INFORMATION MANAGER			
INFORMATION COORDINATOR			
CHIEF COMPANY SPOKESPERSON			
TECHNICAL ADVISOR			
MEDIA RELATIONS COORDINATOR			
MEDIA RELATIONS COORDINATOR			
LOGISTICS COORDINATOR			

NOTIFICATIONS

ATTACHMENT 8 (1 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

A. Onshift Communications and Records Coordinator Initial Notification Actions:

1.0 **IF REQUESTED** by NSS, activate ERO, (otherwise proceed to Step 2.0).

1.1 Ask NSS/ED: SITE ACCESSIBLE or SITE INACCESSIBLE.

1.2 Activate ERO beepers by:

1.2.1 On EP Auto-Dialer, press button marked **BVERS OR**
dial 9# 643-4370 (or from a PAX phone, dial 9-643-4370).

1.2.2 Interrupt the greeting by IMMEDIATELY entering XXXXXX.

1.2.3 When prompted, enter scenario number:

SITE ACCESSIBLE - XXXXX
SITE INACCESSIBLE - XXXXX

1.2.4 When prompted, verify scenario number (9 for YES or 6 for NO).

1.2.5 Verify, when prompted, "You will cue SCENARIO XXXXX. It will now be sent. Are you sure this is what you want to do?" (9 for YES or 6 for NO)

1.2.6 Hang up.

1.3 Call Central Alarm Station (CAS) (PAX 5114/5115) and provide the following information:

1.3.1 EPP Communicator _____ (Give your Name) _____ .

1.3.2 EPP CODE WORD _____ .

1.3.3 An **UNUSUAL EVENT** has been declared.

1.3.4 ERO pagers will be activated. Call back at PAX _____ when beeper activates.

1.3.5 **STATE**, "Begin Near-Site Building Emergency Notifications".

NOTIFICATIONS

ATTACHMENT 8 (2 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 2.0 Activate Off-Site Agency Initial Notification Conference (INC) Call.
 - 2.1 On EP Auto-Dialer, press button marked **INC OR** dial 9# 1-330-315-4380 (or from a PAX phone, dial 9-1-330-315-4380).
 - 2.2 Interrupt the greeting by **IMMEDIATELY** entering XXXXXX.
 - 2.2.1 **IF** unable to activate INC, GO TO PART B of this procedure.
 - 2.3 When prompted, enter the scenario number XXXX.
 - 2.4 When prompted, verify the scenario number (9 for YES or 6 for NO).
 - 2.5 Verify, when prompted, “You will cue SCENARIO XXXX. It will now be sent. Are you sure this is what you want to do?” (9 for YES or 6 for NO).
 - 2.6 Hang up.
- 3.0 Access Initial Notification Conference Bridge.
 - 3.1 On EP Auto-Dialer, press button marked **CONF. Bridge OR** dial 9# 682-1900 (**OR** from a PAX phone, dial 9 682-1900).
 - 3.2 When prompted, enter XXXX, then the # key.

NOTIFICATIONS

ATTACHMENT 8 (3 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 4.0 Provide Initial Notification to Offsite Agencies.
 - 4.1 Obtain completed Initial Notification form from the NSS/ED or Control Room FAX machine.
 - 4.2 As each Agency enters the INC call, state the following:
 - 4.2.1 "This is _____ (Your Name) _____ at Beaver Valley Power Station, the Code Word is _____. Please stand-by for an emergency message."
 - 4.2.2 Record the contact time and the name of the agency representative.

Agency	Contact Time	Contact Name	INC	FAX	Initials
Beaver County			Y/N	Y/N	
PEMA (State of Pennsylvania)			Y/N	Y/N	
Columbiana County			Y/N	Y/N	
OEMA (State of Ohio)			Y/N	Y/N	
Hancock County			Y/N	Y/N	
WVOES* (State of West Virginia)			Y/N	Y/N	

* Hancock County can notify WVOES (State of West Virginia) if not on the Conference Call or not able to be contacted.

- 4.3 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 4.3.1 IF YES, ask if there are any questions.
 - 4.3.2 **STATE** the Protective Action Recommendation.
 - 4.3.3 IF NO, provide information from Initial Notification Form.

(Continued)

NOTIFICATIONS

ATTACHMENT 8 (4 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 4.4 **STATE** “A Follow-Up Notification will be provided as information becomes available.”
- 4.5 **STATE** “Beaver Valley Power Station is exiting the Initial Notification Conference Call. Agencies may remain on the Conference Call for further discussion.”
- 4.6 For any Agency(ies) **NOT** on the conference call, perform the following:
- 4.6.1 Contact each remaining Offsite Agency and,
- 4.6.2 Record the contact time and the name of the agency representative.
- 4.6.3 **STATE** “This is ____ (Your Name) _____ EPP Communicator”.
- 4.6.4 **STATE** “EPP Code Word is _____.”
- 4.6.5 Ask each Agency if they received the Initial Notification Form Fax and if it is legible.
- 4.6.5.1 If **YES**, ask if there are any questions.
- 4.6.5.2 **STATE** the Protective Action Recommendation.
- 4.6.5.3 If **NO**, provide information from the Initial Notification Form.
- 5.0 Verify ERO was activated (if required) otherwise proceed to Step 6.0.
- 5.1 Contact Central Alarm Station (CAS) (PAX 5114/5115) (if they have not previously contacted the Control room).
- 5.2 Verify CAS beeper activated.
- 5.2.1 If CAS beeper did not activate, perform EPP/IP 1.1, Attachment 7.

NOTIFICATIONS

ATTACHMENT 8 (5 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 5.3 Notify the NSS/ED of ERO Initial Notifications completed and of ERO activation status.
 - Give NSS/ED the Execution Roster qualified Report from BVERS when it arrives on Control Room FAX machine (approximately one hour from ERO activation).

- 6.0 Place communications console phone switches to the EPP position.

- 7.0 Contact the NRC within one (1) hour of the event declaration per EPP/IP 1.1, Attachment 2. (Licensed) personnel from the opposite unit should be used to perform this notification.
 - 7.1 Record notification to NRC on EPP/IP 1.1, Attachment 2.

- 8.0 Contact each of the remaining Personnel/Organizations, as required, per EPP/IP 1.1, Attachment 2

- 9.0 Conduct Follow-Up Notifications.
 - 9.1 Obtain a completed Follow-Up Notification Form from the NSS/ED or the Control Room FAX machine.
 - 9.2 20 minutes after FAX was sent, or after return FAX received in the Control Room, notify the six (6) Offsite Agencies INDIVIDUALLY using EPP/IP 1.1, Attachment 2 by:
 - 9.2.1 STATE "This is _____ (Your Name) _____ EPP Communicator".
 - 9.2.2 STATE "The Code Word is _____".
 - 9.2.3 Record the contact time and the name of the agency representative on the Follow-Up Notification part of EPP/IP 1.1, Attachment 2.
 - 9.2.4 Ask agency if they received the Follow-Up Notification #XX FAX and if it is legible.
 - 9.2.5 If YES, ask if any questions.

NOTIFICATIONS

ATTACHMENT 8 (6 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 9.2.6 If NO, provide information from the Follow-Up Notification Form.
- 10.0 When contacted, turnover to Communications and Records Coordinator or (Communications Assistant) in the TSC (if ERO activated).
 - 10.1 Place Communications Console phone switches back to NORMAL position.
- 11.0 Upon termination of the emergency:
 - 11.1 When directed by NSS/ED, complete the Emergency Termination Checklist, EPP/IP 1.1, Attachment 5.
 - 11.2 Collect all original/completed attachments and forward to Emergency Preparedness.

NOTE:

ONLY perform this part to contact Offsite Agencies individually for Initial Notification.

- B. Individual Offsite Agency Initial Notification(s).
 - 1.0 Obtain completed Initial Notification Form from the NSS/ED or Control Room FAX machine.
 - 2.0 Contact each required Offsite Agency per EPP/IP 1.1, Attachment 2.
 - 3.0 Record the contact time and the name of agency representative on attachment.
 - 4.0 **STATE** "This is _____ (Your Name) _____ EPP Communicator".
 - 5.0 **STATE** "EPP Code Word is _____."

NOTIFICATIONS

ATTACHMENT 8 (7 of 7)

UNUSUAL EVENT NOTIFICATIONS
CONTROL ROOM

- 6.0 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 6.1 If YES, ask if there are any questions.
 - 6.2 **STATE** the Protective Action Recommendation.
 - 6.3 If NO, provide information from Initial Notification Form.
- 7.0 Return to Part A, Step 5.0 of this attachment.

NOTIFICATIONS

INTENTIONALLY BLANK

NOTIFICATIONS

ATTACHMENT 9 (1 of 7)

ALERT NOTIFICATIONS

CONTROL ROOM

A. Onshift Communications and Records Coordinator Initial Notification Actions:

1.0 Activate ERO, if not already done (otherwise proceed to Step 2.0).

1.1 Ask NSS/ED: SITE ACCESSIBLE or SITE INACCESSIBLE.

1.2 Activate ERO beepers by:

1.2.1 On EP Auto-Dialer, press button marked BVERS OR
dial 9# 643-4370 (or from a PAX phone, dial 9-643-4370).

1.2.2 Interrupt the greeting by IMMEDIATELY entering XXXXXX.

1.2.3 When prompted, enter scenario number:

SITE ACCESSIBLE - XXXXX
SITE INACCESSIBLE - XXXXX

1.2.4 When prompted, verify scenario number (9 for YES or 6 for NO).

1.2.5 Verify, when prompted, "You will cue SCENARIO XXXXX. It will now be sent. Are you sure this is what you want to do?" (9 for YES or 6 for NO)

1.2.6 Hang up.

1.3 Call Central Alarm Station (CAS) (PAX 5114/5115) and provide the following information:

1.3.1 EPP Communicator _____ (Give your Name) _____ .

1.3.2 EPP **CODE WORD** _____ .

1.3.3 An **ALERT** has been declared.

1.3.4 ERO pagers will be activated. Call back at PAX _____ when beeper activates.

1.3.5 **STATE**, "Begin Near-Site Building Emergency Notifications".

NOTIFICATIONS

ATTACHMENT 9 (2 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 2.0 Activate Off-Site Agency Initial Notification Conference (INC) Call.
 - 2.1 On EP Auto-Dialer, press button marked **INC OR** dial 9# 1-330-315-4380 (or from a PAX phone, dial 9-1-330-315-4380).
 - 2.2 Interrupt the greeting by **IMMEDIATELY** entering XXXXXX.
 - 2.2.1 **IF** unable to activate INC, GO TO PART B of this procedure.
 - 2.3 When prompted, enter the scenario number XXXX.
 - 2.4 When prompted, verify the scenario number (9 for YES or 6 for NO).
 - 2.5 Verify, when prompted, "You will cue SCENARIO XXXX. It will now be sent. Are you sure this is what you want to do?" (9 for YES or 6 for NO).
 - 2.6 Hang up.
- 3.0 Access Initial Notification Conference Bridge.
 - 3.1 On EP Auto-Dialer, press button marked **CONF. Bridge OR** dial 9# 682-1900 (**OR** from a PAX phone, dial 9 682-1900).
 - 3.2 When prompted, enter XXXX, then the # key.

NOTIFICATIONS

ATTACHMENT 9 (3 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 4.0 Provide Initial Notification to Offsite Agencies.
 - 4.1 Obtain completed Initial Notification form from the NSS/ED or Control Room FAX machine.
 - 4.2 As each Agency enters the INC call, state the following:
 - 4.2.1 "This is _____ (Your Name) _____ at Beaver Valley Power Station, the Code Word is _____. Please stand-by for an emergency message."
 - 4.2.2 Record the contact time and the name of the agency representative.

Agency	Contact Time	Contact Name	INC	FAX	Initials
Beaver County			Y/N	Y/N	
PEMA (State of Pennsylvania)			Y/N	Y/N	
Columbiana County			Y/N	Y/N	
OEMA (State of Ohio)			Y/N	Y/N	
Hancock County			Y/N	Y/N	
WVOES* (State of West Virginia)			Y/N	Y/N	

* Hancock County can notify WVOES (State of West Virginia) if not on the Conference Call or not able to be contacted.

- 4.3 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 4.3.1 IF YES, ask if there are any questions.
 - 4.3.2 **STATE** the Protective Action Recommendation.
 - 4.3.3 IF NO, provide information from Initial Notification Form.

(Continued)

NOTIFICATIONS

ATTACHMENT 9 (4 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 4.4 STATE "A Follow-Up Notification will be provided as information becomes available."
- 4.5 STATE "Beaver Valley Power Station is exiting the Initial Notification Conference Call. Agencies may remain on the Conference Call for further discussion."
- 4.6 For any Agency(ies) not on the conference call, perform the following:
 - 4.6.1 Contact each remaining Offsite Agency and,
 - 4.6.2 Record the contact time and the name of the agency representative.
 - 4.6.3 **STATE** "This is _____ (Your Name) _____ EPP Communicator".
 - 4.6.4 **STATE** "EPP Code Word is _____."
 - 4.6.5 Ask each Agency if they received the Initial Notification Form Fax and if it is legible.
 - 4.6.5.1 If **YES**, ask if there are any questions.
 - 4.6.5.2 **STATE** the Protective Action Recommendation.
 - 4.6.5.3 If **NO**, provide information from the Initial Notification Form.
- 5.0 Verify ERO was activated (if required) otherwise proceed to Step 6.0.
 - 5.1 Contact Central Alarm Station (CAS) (PAX 5114/5115) (if they have not previously contacted the Control room).
 - 5.2 Verify CAS beeper activated.
 - 5.2.1 If CAS beeper did not activate, perform EPP/IP 1.1, Attachment 7.

NOTIFICATIONS

ATTACHMENT 9 (5 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 5.3 Notify the NSS/ED of ERO Initial Notifications completed and of ERO activation status.
 - Give NSS/ED the Execution Roster qualified Report from BVERS when it arrives on Control Room FAX machine (approximately one hour from ERO activation).
- 6.0 Place communications console phone switches to the EPP position.
- 7.0 Complete **EPP SITE ACCOUNTABILITY FORM** (EPP/IP 3.2, Attachment 2) as time permits.
- 8.0 Contact the NRC within one (1) hour of the event declaration per EPP/IP 1.1, Attachment 2. (Licensed) personnel from the opposite unit should be used to perform this notification.
 - 8.1 Record notification to NRC on EPP/IP 1.1, Attachment 2.
- 9.0 Contact each of the remaining Personnel/Organizations, as required, per EPP/IP 1.1, Attachment 2
- 10.0 Conduct Follow-Up Notifications.
 - 10.1 Obtain a completed Follow-Up Notification Form from the NSS/ED or the Control Room FAX machine.
 - 10.2 20 minutes after FAX was sent, or after return FAX received in the Control Room, notify the six (6) Offsite Agencies INDIVIDUALLY using EPP/IP 1.1, Attachment 2 by:
 - 10.2.1 **STATE** “This is _____ (Your Name) _____ EPP Communicator”.
 - 10.2.2 **STATE** “The Code Word is _____.”
 - 10.2.3 Record the contact time and the name of the agency representative on the Follow-Up Notification part of EPP/IP 1.1, Attachment 2.

NOTIFICATIONS

ATTACHMENT 9 (6 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 10.2.4 Ask agency if they received the Follow-Up Notification #XX FAX and if it is legible.
- 10.2.5 If YES, ask if any questions.
- 10.2.6 If NO, provide information from the Follow-Up Notification Form.
- 11.0 When contacted, turnover to Communications and Records Coordinator or (Communications Assistant) in the TSC (if ERO activated).
 - 11.1 Place Communications Console phone switches back to NORMAL position.
- 12.0 Upon termination of the emergency:
 - 12.1 When directed by NSS/ED, complete the Emergency Termination Checklist, EPP/IP 1.1, Attachment 5.
 - 12.2 Collect all original/completed attachments and forward to Emergency Preparedness.

NOTE:

ONLY perform this part to contact Offsite Agencies individually for Initial Notification.

- B. Individual Offsite Agency Initial Notification(s).
 - 1.0 Obtain completed Initial Notification Form from the NSS/ED or Control Room FAX machine.
 - 2.0 Contact each required Offsite Agency per EPP/IP 1.1, Attachment 2.
 - 3.0 Record the contact time and the name of agency representative on attachment.
 - 4.0 **STATE** "This is _____ (Your Name) _____ EPP Communicator".
 - 5.0 **STATE** "EPP Code Word is _____."

NOTIFICATIONS

ATTACHMENT 9 (7 of 7)

ALERT NOTIFICATIONS
CONTROL ROOM

- 6.0 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 6.1 If YES, ask if there are any questions.
 - 6.2 **STATE** the Protective Action Recommendation.
 - 6.3 If NO, provide information from Initial Notification Form.
- 7.0 Return to Part A, Step 5.0 of this attachment.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 10 (1 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

A. Onshift Communications and Records Coordinator Initial Notification Actions:

1.0 Activate ERO, if not already done (otherwise proceed to Step 2.0).

1.1 Ask NSS/ED: **SITE ACCESSIBLE** or **SITE INACCESSIBLE**.

1.2 Activate ERO beepers by:

1.2.1 On EP Auto-Dialer, press button marked **BVERS OR**
dial 9# 643-4370 (or from a PAX phone, dial 9-643-4370).

1.2.2 Interrupt the greeting by IMMEDIATELY entering XXXXXX.

1.2.3 When prompted, enter scenario number:

SITE ACCESSIBLE - XXXXX
SITE INACCESSIBLE - XXXXX

1.2.4 When prompted, verify scenario number (9 for YES or 6 for NO).

1.2.5 Verify, when prompted, "You will cue SCENARIO XXXXXX. It will now be sent. Are you sure this is what you want to do?" (9 for YES or 6 for NO)

1.2.6 Hang up.

1.3 Call Central Alarm Station (CAS) (PAX 5114/5115) and provide the following information:

1.3.1 EPP Communicator _____ (Give your Name) _____ .

1.3.2 EPP CODE WORD _____ .

1.3.3 A **SITE AREA EMERGENCY** has been declared.

1.3.4 ERO pagers will be activated. Call back at PAX _____ when beeper activates.

1.3.5 **STATE**, "Begin Near-Site Building Emergency Notifications".

NOTIFICATIONS

ATTACHMENT 10 (2 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 2.0 Activate Off-Site Agency Initial Notification Conference (INC) Call.
 - 2.1 On EP Auto-Dialer, press button marked **INC OR** dial 9# 1-330-315-4380 (or from a PAX phone, dial 9-1-330-315-4380).
 - 2.2 Interrupt the greeting by **IMMEDIATELY** entering XXXXXX.
 - 2.2.1 **IF** unable to activate INC, GO TO PART B of this procedure.
 - 2.3 When prompted, enter the scenario number XXXX.
 - 2.4 When prompted, verify the scenario number (9 for YES or 6 for NO).
 - 2.5 Verify, when prompted, “You will cue SCENARIO XXXX. It will now be sent. Are you sure this is what you want to do?” (9 for YES or 6 for NO).
 - 2.6 Hang up.
- 3.0 Access Initial Notification Conference Bridge.
 - 3.1 On EP Auto-Dialer, press button marked **CONF. Bridge OR** dial 9# 682-1900 (**OR** from a PAX phone, dial 9 1-682-1900).
 - 3.2 When prompted, enter XXXX, then the # key.

NOTIFICATIONS

ATTACHMENT 10 (3 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 4.0 Provide Initial Notification to Offsite Agencies.
 - 4.1 Obtain completed Initial Notification form from the NSS/ED or Control Room FAX machine.
 - 4.2 As each Agency enters the INC call, state the following:
 - 4.2.1 "This is _____ (Your Name) _____ at Beaver Valley Power Station, the Code Word is _____. Please stand-by for an emergency message."
 - 4.2.2 Record the contact time and the name of the agency representative.

Agency	Contact Time	Contact Name	INC	FAX	Initials
Beaver County			Y/N	Y/N	
PEMA (State of Pennsylvania)			Y/N	Y/N	
Columbiana County			Y/N	Y/N	
OEMA (State of Ohio)			Y/N	Y/N	
Hancock County			Y/N	Y/N	
WVOES* (State of West Virginia)			Y/N	Y/N	

* Hancock County can notify WVOES (State of West Virginia) if not on the Conference Call or not able to be contacted.

- 4.3 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 4.3.1 IF YES, ask if there are any questions.
 - 4.3.2 **STATE** the Protective Action Recommendation.
 - 4.3.3 IF NO, provide information from Initial Notification Form.

(Continued)

NOTIFICATIONS

ATTACHMENT 10 (4 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 4.4 **STATE** “A Follow-Up Notification will be provided as information becomes available.”
- 4.5 **STATE** “Beaver Valley Power Station is exiting the Initial Notification Conference Call. Agencies may remain on the Conference Call for further discussion.”
- 4.6 For any Agency(ies) not on the conference call, perform the following:
 - 4.6.1 Contact each remaining Offsite Agency and,
 - 4.6.2 Record the contact time and the name of the agency representative.
 - 4.6.3 **STATE** “This is _____ (Your Name) _____ EPP Communicator”.
 - 4.6.4 **STATE** “EPP Code Word is _____.”
 - 4.6.5 Ask each Agency if they received the Initial Notification Form Fax and if it is legible.
 - 4.6.5.1 If **YES**, ask if there are any questions.
 - 4.6.5.2 **STATE** the Protective Action Recommendation.
 - 4.6.5.3 If **NO**, provide information from the Initial Notification Form.
- 5.0 Verify ERO was activated (if required) otherwise proceed to Step 6.0.
 - 5.1 Contact Central Alarm Station (CAS) (PAX 5114/5115) (if they have not previously contacted the Control room).
 - 5.2 Verify CAS beeper activated.
 - 5.2.1 If CAS beeper did not activate, perform EPP/IP 1.1, Attachment 7.

NOTIFICATIONS

ATTACHMENT 10 (5 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 5.3 Notify the NSS/ED of ERO Initial Notifications completed and of ERO activation status.
 - Give NSS/ED the Execution Roster qualified Report from BVERS when it arrives on Control Room FAX machine (approximately one hour from ERO activation).

- 6.0 Place communications console phone switches to the EPP position.

- 7.0 Complete **EPP SITE ACCOUNTABILITY FORM** (EPP/IP 3.2, Attachment 2) and deliver to CAS (if not previously done).

- 8.0 Contact the NRC within one (1) hour of the event declaration per EPP/IP 1.1, Attachment 2. (Licensed) personnel from the opposite unit should be used to perform this notification.

- 8.1 Record notification to NRC on EPP/IP 1.1, Attachment 2.

- 9.0 Contact each of the remaining Personnel/Organizations, as required, per EPP/IP 1.1, Attachment 2

- 10.0 Conduct Follow-Up Notifications.
 - 10.1 Obtain a completed Follow-Up Notification Form from the NSS/ED or the Control Room FAX machine.

 - 10.2 20 minutes after FAX was sent, or after return FAX received in the Control Room, notify the six (6) Offsite Agencies INDIVIDUALLY using EPP/IP 1.1, Attachment 2 by:
 - 10.2.1 **STATE** "This is _____ (Your Name) _____ EPP Communicator".

 - 10.2.2 **STATE** "The Code Word is _____.

 - 10.2.3 Record the contact time and the name of the agency representative on the Follow-Up Notification part of EPP/IP 1.1, Attachment 2.

 - 10.2.4 Ask agency if they received the Follow-Up Notification #XX FAX and if it is legible.

NOTIFICATIONS

ATTACHMENT 10 (6 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 10.2.5 If YES, ask if any questions.
- 10.2.6 If NO, provide information from the Follow-Up Notification Form.
- 11.0 When contacted, turnover to Communications and Records Coordinator or (Communications Assistant) in the TSC (if ERO activated).
- 11.1 Place Communications Console phone switches back to NORMAL position.
- 12.0 Upon termination of the emergency:
 - 12.1 When directed by NSS/ED, complete the Emergency Termination Checklist, EPP/IP 1.1, Attachment 5.
 - 12.2 Collect all original/completed attachments and forward to Emergency Preparedness.

NOTE:

ONLY perform this part to contact Offsite Agencies individually for Initial Notification.

- B. Individual Offsite Agency Initial Notification(s).
 - 1.0 Obtain completed Initial Notification Form from the NSS/ED or Control Room FAX machine.
 - 2.0 Contact each required Offsite Agency per EPP/IP 1.1, Attachment 2.
 - 3.0 Record the contact time and the name of agency representative on attachment.
 - 4.0 STATE "This is _____ (Your Name) _____ EPP Communicator.
 - 5.0 STATE "EPP Code Word is _____."

NOTIFICATIONS

ATTACHMENT 10 (7 of 7)

SITE AREA EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 6.0 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 6.1 If YES, ask if there are any questions.
 - 6.2 **STATE** the Protective Action Recommendation.
 - 6.3 If NO, provide information from Initial Notification Form.
- 7.0 Return to Part A, Step 5.0 of this attachment.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 11 (1 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

A. Onshift Communications and Records Coordinator Initial Notification Actions:

1.0 Activate ERO, if not already done (otherwise proceed to Step 2.0).

1.1 Ask NSS/ED: **SITE ACCESSIBLE** or **SITE INACCESSIBLE**.

1.2 Activate ERO beepers by:

1.2.1 On EP Auto-Dialer, press button marked **BVERS OR**
dial 9# 643-4370 (or from a PAX phone, dial 9-643-4370).

1.2.2 Interrupt the greeting by IMMEDIATELY entering XXXXXX.

1.2.3 When prompted, enter scenario number:

SITE ACCESSIBLE - XXXXX
SITE INACCESSIBLE - XXXXX

1.2.4 When prompted, verify scenario number (9 for YES or 6 for NO).

1.2.5 Verify, when prompted, "You will cue SCENARIO XXXXX. It will now be sent. Are you sure this is what you want to do?"
(9 for YES or 6 for NO)

1.2.6 Hang up.

1.3 Call Central Alarm Station (CAS) (PAX 5114/5115) and provide the following information:

1.3.1 EPP Communicator _____ (Give your Name) .

1.3.2 EPP CODE WORD _____ .

1.3.3 A **GENERAL EMERGENCY** has been declared.

1.3.4 ERO pagers will be activated. Call back at PAX _____ when beeper activates.

1.3.5 **STATE** , "Begin Near-Site Building Emergency Notifications".

NOTIFICATIONS

ATTACHMENT 11 (2 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 2.0 Activate Off-Site Agency Initial Notification Conference (INC) Call.
 - 2.1 On EP Auto-Dialer, press button marked **INC** OR dial 9# 1-330-315-4380 (or from a PAX phone, dial 9-1-330-315-4380).
 - 2.2 Interrupt the greeting by **IMMEDIATELY** entering XXXXXX.
 - 2.2.1 **IF** unable to activate INC, GO TO PART B of this procedure.
 - 2.3 When prompted, enter the scenario number XXXX.
 - 2.4 When prompted, verify the scenario number (9 for YES or 6 for NO).
 - 2.5 Verify, when prompted, “You will cue SCENARIO XXXX. It will now be sent. Are you sure this is what you want to do?” (9 for YES or 6 for NO).
 - 2.6 Hang up.
- 3.0 Access Initial Notification Conference Bridge.
 - 3.1 On EP Auto-Dialer, press button marked **CONF. Bridge** OR dial 9# 682-1900 (**OR** from a PAX phone, dial 9 682-1900).
 - 3.2 When prompted, enter XXXX, then the # key.

NOTIFICATIONS

ATTACHMENT 11 (3 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 4.0 Provide Initial Notification to Offsite Agencies.
 - 4.1 Obtain completed Initial Notification form from the NSS/ED or Control Room FAX machine.
 - 4.2 As each Agency enters the INC call, state the following:
 - 4.2.1 "This is (Your Name) at Beaver Valley Power Station, the Code Word is . Please stand-by for an emergency message."
 - 4.2.2 Record the contact time and the name of the agency representative.

Agency	Contact Time	Contact Name	INC	FAX	Initials
Beaver County			Y/N	Y/N	
PEMA (State of Pennsylvania)			Y/N	Y/N	
Columbiana County			Y/N	Y/N	
OEMA (State of Ohio)			Y/N	Y/N	
Hancock County			Y/N	Y/N	
WVOES* (State of West Virginia)			Y/N	Y/N	

* Hancock County can notify WVOES (State of West Virginia) if not on the Conference Call or not able to be contacted.

- 4.3 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 4.3.1 IF YES, ask if there are any questions.
 - 4.3.2 **STATE** the Protective Action Recommendation.
 - 4.3.3 IF NO, provide information from Initial Notification Form.

(Continued)

NOTIFICATIONS

ATTACHMENT 11 (4 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 4.4 **STATE** “A Follow-Up Notification will be provided as information becomes available.”
- 4.5 **STATE** “Beaver Valley Power Station is exiting the Initial Notification Conference Call. Agencies may remain on the Conference Call for further discussion.”
- 4.6 For any Agency(ies) not on the conference call, perform the following:
 - 4.6.1 Contact each remaining Offsite Agency and,
 - 4.6.2 Record the contact time and the name of the agency representative.
 - 4.6.3 **STATE** “This is _____ (Your Name) _____ EPP Communicator”.
 - 4.6.4 **STATE** “EPP Code Word is _____.”
 - 4.6.5 Ask each Agency if they received the Initial Notification Form Fax and if it is legible.
 - 4.6.5.1 If **YES**, ask if there are any questions.
 - 4.6.5.2 **STATE** the Protective Action Recommendation.
 - 4.6.5.3 If **NO**, provide information from the Initial Notification Form.
- 5.0 Verify ERO was activated (if required) otherwise proceed to Step 6.0.
 - 5.1 Contact Central Alarm Station (CAS) (PAX 5114/5115) (if they have not previously contacted the Control room).
 - 5.2 Verify CAS beeper activated.
 - 5.2.1 If CAS beeper did not activate, perform EPP/IP 1.1, Attachment 7.

NOTIFICATIONS

ATTACHMENT 11 (5 of 7)

GENERAL EMERGENCY NOTIFICATIONS**CONTROL ROOM**

- 5.3 Notify the NSS/ED of ERO Initial Notifications completed and of ERO activation status.
- Give NSS/ED the Execution Roster qualified Report from BVERS when it arrives on Control Room FAX machine (approximately one hour from ERO activation).
- 6.0 Place communications console phone switches to the EPP position.
- 7.0 Complete **EPP SITE ACCOUNTABILITY FORM** (EPP/IP 3.2, Attachment 2) and deliver to CAS (if not previously done).
- 8.0 Contact the NRC within one (1) hour of the event declaration per EPP/IP 1.1, Attachment 2. (Licensed) personnel from the opposite unit should be used to perform this notification.
- 8.1 Record notification to NRC on EPP/IP 1.1, Attachment 2.
- 9.0 Contact each of the remaining Personnel/Organizations, as required, per EPP/IP 1.1, Attachment 2
- 10.0 Conduct Follow-Up Notifications.
- 10.1 Obtain a completed Follow-Up Notification Form from the NSS/ED or the Control Room FAX machine.
- 10.2 20 minutes after FAX was sent, or after return FAX received in the Control Room, notify the six (6) Offsite Agencies INDIVIDUALLY using EPP/IP 1.1, Attachment 2 by:
- 10.2.1 STATE "This is (Your Name) EPP Communicator".
- 10.2.2 STATE "The Code Word is _____".
- 10.2.3 Record the contact time and the name of the agency representative on the Follow-Up Notification part of EPP/IP 1.1, Attachment 2.
- 10.2.4 Ask agency if they received the Follow-Up Notification #XX FAX and if it is legible.

NOTIFICATIONS

ATTACHMENT 11 (6 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 10.2.5 If YES, ask if any questions.
- 10.2.6 If NO, provide information from the Follow-Up Notification Form.
- 11.0 When contacted, turnover to Communications and Records Coordinator or (Communications Assistant) in the TSC (if ERO activated).
- 11.1 Place Communications Console phone switches back to NORMAL position.
- 12.0 Upon termination of the emergency:
 - 12.1 When directed by NSS/ED, complete the Emergency Termination Checklist, EPP/IP 1.1, Attachment 5.
 - 12.2 Collect all original/completed attachments and forward to Emergency Preparedness.

NOTE:

ONLY perform this part to contact Offsite Agencies individually for Initial Notification.

- B. Individual Offsite Agency Initial Notification(s).
 - 1.0 Obtain completed Initial Notification Form from the NSS/ED or Control Room FAX machine.
 - 2.0 Contact each required Offsite Agency per EPP/IP 1.1, Attachment 2.
 - 3.0 Record the contact time and the name of agency representative on attachment.
 - 4.0 **STATE** "This is _____ (Your Name) _____ EPP Communicator.
 - 5.0 **STATE** "EPP Code Word is _____."

NOTIFICATIONS

ATTACHMENT 11 (7 of 7)

GENERAL EMERGENCY NOTIFICATIONS
CONTROL ROOM

- 6.0 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 6.1 If YES, ask if there are any questions.
 - 6.2 **STATE** the Protective Action Recommendation.
 - 6.3 If NO, provide information from Initial Notification Form.
- 7.0 Return to Part A, Step 5.0 of this attachment.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 12 (1 of 7)

TSC EVENT NOTIFICATION

A. INSTRUCTIONS

- 1.0 Communications and Records Coordinator/Communications Assistant Actions:
 - 1.1 Obtain copies of the forms faxed to the TSC by the Control Room from the TSC Fax machine located on the Communicator's desk.
 - 1.2 Contact the Control Room for turnover.
 - 1.2.1 When turnover is complete, have the Onshift Communications and Records Coordinator place phone switches to the NORMAL position.
 - 1.3 Make copies of previously complete Initial and Follow-Up Notification Forms and distribute to the following:
 - 1.3.1 TSC (8):
 - Communications Assts. (3)
 - Communications and Records Coord.
 - Emergency Director
 - OPS Coordinator
 - OPS Communicator (Red Phone)
 - OEMA Liaison Communicator
 - 1.3.2 EOF (7):
 - Emergency/Recovery Manager
 - Offsite Agency Liaison
 - NRC
 - DEP/BRP
 - PEMA
 - OEMA
 - WVOES
 - 1.4 Obtain the EPP Notification Books from the Communicators desk, if not already done.
 - 1.5 Continue with Notifications from the point the Onshift Communications and Records Coordinator stopped.

NOTIFICATIONS

ATTACHMENT 12 (2 of 7)

TSC EVENT NOTIFICATION

2.0 Initial Notifications, Communications and Records Coordinator Actions:

NOTE:

Initial Notifications are to be made to the first six (6) listed Agencies on the **EMERGENCY NOTIFICATIONS CALL-LIST**, EPP/IP 1.1, Attachment 2 and **MUST** be made within 15 minutes of the event declaration. Subsequent notifications **MUST** still be made.

NOTE:

The BVPS Radio System is the alternate to the commercial phone system for notifications to offsite emergency response organizations. **EPP/IP 1.2, Attachment 3, Step 6.0** provides direction in its use.

NOTE:

If an emergency is reclassified and upgraded during the Follow-Up Notification process, the Communications and Records Coordinator **SHALL** terminate the notification in progress and begin the upgraded Initial Notification process again per appropriate Attachment. If the Initial Notification Conference (INC) call is in progress, then the upgraded notifications **SHALL** be provided at this time. The 15-minute clock for the notifications will restart at the time of the upgraded declaration.

2.1 Provide the Emergency Director with the following:

- Initial Notification Form (EPP/IP 1.1, Attachment 1)
- Follow-Up Notification Form (EPP/IP 1.1, Attachment 3)

2.1.1 Provide the NRC Worksheet to the TSC Ops Coordinator for completion.

2.2 Obtain completed **INITIAL NOTIFICATION FORM** from the Emergency Director.2.3 Review **INITIAL NOTIFICATION FORM** for all lines completed.

NOTIFICATIONS

ATTACHMENT 12 (3 of 7)

TSC EVENT NOTIFICATION

- 2.4 Make three (3) copies of completed **INITIAL NOTIFICATION FORM**.
- 2.4.1 Provide copies of **INITIAL NOTIFICATION FORM** to Communications Assistants.
- 2.5 Remove the **NOTIFICATION FORM FAXING INSTRUCTIONS** from the Communications and Records Coordinator's EPP Notification Book.
- 2.5.1 Fax the **INITIAL NOTIFICATION FORM** following the steps on the **NOTIFICATION FORM FAXING INSTRUCTIONS** (Attachment 13 of this procedure).
- 2.6 Initiate the INC call, per Attachment 15.
- 2.7 Instruct another Communications Assistant to dial the INC, on another phone, to assist in monitoring the INC call.
- 2.8 As each Agency enters the INC call, state the following:
- 2.8.1 "This is _____ (Your Name) _____ at Beaver Valley Power Station, the Code Word is _____. Please stand-by for an emergency message."
- 2.8.2 Conduct a roll-call using EPP/IP 1.1, Attachment 2, Page 2, for Agencies 1-6 documenting names and contact time.
- 2.8.3 Verify from each Agency receipt of the appropriate Initial Notification Fax (i.e., Unusual Event, Alert, Site Area or General Emergency) and that the Fax is legible.
- **IF YES**, ask if any Agency has questions regarding the information provided on the fax. Inform the Agency that a Follow-Up Notification will be relayed as information becomes available.
 - **STATE** the Protective Action Recommendation.
 - **IF NO**, provide information from the Initial Notification Form **AND** inform the Agency that a Follow-Up Notification will be relayed as information becomes available.

NOTIFICATIONS

ATTACHMENT 12 (4 of 7)

TSC EVENT NOTIFICATION

- 2.8.4 STATE "A Follow-Up Notification will be provided as information becomes available."
- 2.8.5 STATE "Beaver Valley Power Station is exiting the Initial Notification Conference Call. Agencies may remain on the Conference Call for further discussion."
- 2.8.6 If a party cannot be contacted in a reasonable period of time, bypass that party and proceed down the list. After other required notifications are complete, re-attempt to contact any bypassed parties. Every effort **MUST** be made to contact the organizations listed in Attachment 2 and all attempts **MUST** be documented.
- 2.9 Notify the Emergency Director when the Initial Notification calls to the first six (6) Agencies have been made.
- 2.10 For any Agency(ies) not on the conference call, perform the following:
- 2.10.1 Contact each remaining Offsite Agency and,
- 2.10.2 Record the contact time and the name of the agency representative.
- 2.10.3 STATE "This is ____ (Your Name) _____ EPP Communicator".
- 2.10.4 STATE "EPP Code Word is _____."
- 2.10.5 Ask each Agency if they received the Initial Notification Form Fax and if it is legible.
- 2.10.5.1 If **YES**, ask if there are any questions.
- 2.10.5.2 **STATE** the Protective Action Recommendation.
- 2.10.5.3 If **NO**, provide information from the Initial Notification Form.
- 2.11 Verify the Ops Coordinator has given the **NRC WORKSHEET** to the OPS Communicator manning the NRC phone for relaying information. Log time contacted on EPP/IP 1.1, Attachment 2.

NOTIFICATIONS

ATTACHMENT 12 (5 of 7)

TSC EVENT NOTIFICATION

3.0 Follow-Up Notifications

NOTE:

The follow-up notification provides technical information to those qualified to use the data and serves as a means to verify the authenticity of an emergency notification. The **CODEWORD** also provides verification.

NOTE:

The Follow-Up Notification Form should be updated periodically (i.e., 2 times per shift) or at the discretion of the Emergency Director.

- 3.1 Obtain information for the **FOLLOW-UP NOTIFICATION FORM** (EPP/IP 1.1, Attachment 3).
- 3.2 Complete the **FOLLOW-UP NOTIFICATION FORM** and make three (3) copies to give to the Communications Assistants.
- 3.3 Fax the **FOLLOW-UP NOTIFICATION FORM** following the instructions on the **NOTIFICATION FORM FAXING INSTRUCTIONS** (Attachment 13 of this procedure).

NOTE:

If an emergency is reclassified and upgraded during the Follow-Up Notification process, the Communications and Records Coordinator **SHALL** terminate the notification in progress and begin the upgraded Initial Notification process again per appropriate Attachment. If the Initial Notification Conference (INC) call is in progress, then the upgraded notifications **SHALL** be provided at this time. The 15-minute clock for the notifications will restart at the time of the upgraded declaration.

NOTE:

The INC call **SHALL** not be used for Follow-Up Notifications. Offsite Agencies **SHALL** be called individually.

NOTIFICATIONS

ATTACHMENT 12 (6 of 7)

TSC EVENT NOTIFICATION

- 3.4 Upon receiving the TSC copy of the Follow-Up Notification Fax, or approximately 20 minutes after sending the Fax, begin Follow-Up Notifications to the first six (6) listed Agencies using EPP/IP 1.1, Attachment 2 "**EMERGENCY NOTIFICATION CALL-LIST**".
- 3.4.1 Begin call by stating "This is (Your Name) _____ at Beaver Valley Power Station, the Code Word is _____. This is a Follow-Up Notification verification call."
- 3.4.2 Record name and time of contact on EPP/IP 1.1, Attachment 2.

NOTE:

The Follow-Up Notifications # (Number) is Entered in the lower right corner of Attachment 3, page 1 of 5.

- 3.4.3 Verify receipt of Follow-Up Notification # XX Fax and that the Fax is legible.
- IF YES, ask if there are any questions.
 - IF NO, provide information from the Follow-Up Notification Form.
- 3.4.4 If a party cannot be contacted in a reasonable period of time, bypass that party and proceed down the list. After other required notifications are complete, re-attempt to contact any bypassed parties. Every effort must be made to contact the organizations listed in Attachment 2 and all attempts must be documented.
- 4.0 Subsequent Notifications
- 4.1 If an emergency is escalated in classification, the **INITIAL NOTIFICATION FORM** is used and notifications are made in the same manner specified in Steps 2 and 3 of this procedure.
- 4.1.1 If an emergency is escalated in classification, and the INC call is ongoing, then confirm the upgraded receipt of the Initial Notification Fax on the current INC call.
- 4.1.2 If an Agency has not received the upgraded Fax, provide the information.

NOTIFICATIONS

ATTACHMENT 12 (7 of 7)

TSC EVENT NOTIFICATION

- 5.0 Site Assembly and Personnel Accountability
 - 5.1 Provide information to Near-Site Assembly Area Coordinators per EPP/IP 3.2, Attachment 7.
- 6.0 Termination
 - 6.1 Complete the **EMERGENCY TERMINATION CHECKLIST** (EPP/IP 1.1, Attachment 5).
 - 6.2 Collect all originals of the completed attachments and forward to Emergency Preparedness.

B. FINAL CONDITIONS

- 1.0 Use of this procedure **SHALL** be terminated when the emergency situation is corrected or when directed by the Emergency Director.
- 2.0 Attachment 5 (Emergency Termination Checklist) is to be completed for termination calls to offsite agencies for all emergency events.

NOTE:

*

Upon termination of the emergency situation and the subsequent termination of this IP, All originals of completed Attachments **SHALL** be forwarded to Emergency Preparedness.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 13 (1 of 1)

NOTIFICATION FORM FAXING INSTRUCTIONS EXAMPLE

- 1.0 Turn external speaker located on rear of fax machine to "ON".
- 2.0 Place completed Notification Forms on the Fax Machine (face down) and perform the following steps:

NOTE:

Not all voice prompts are listed here, only the key ones. Fax Speed Dial Numbers are pre-programmed only in the Control Room, TSC and JPIC.

- 3.0 Lift phone receiver on Fax Machine, or press the "**HOOK**" button.
- 4.0 Press Speed Dial number "**01**" on the Fax Machine labeled "**EPP FAX**", (or dial _____). This will connect you to a voice prompt which states "WELCOME TO AT&T'S ENHANCED FAX".
- 5.0 At the voice prompt "ENTER THE SUBSCRIBER ID AND POUND SIGN", Press Speed Dial number "**02**", (or enter the Subscriber ID number _____ followed by the "**#**" symbol).
- 6.0 At the voice prompt "ENTER THE PASSWORD AND POUND SIGN", Press Speed Dial number "**03**", (or enter the Password ID number _____ followed by the "**#**" symbol).
- 7.0 You will hear a voice prompt "LOGGING IN, PLEASE WAIT". At the voice prompt "TO SEND MESSAGE, PRESS 1". **PRESS 1** on the Fax number keys (do not wait for additional prompts).

NOTE:

If Speed Dial 04 is used, Step 9.0 does not need to be performed.

- 8.0 At the prompt "ENTER RECIPIENT ADDRESS NUMBER, TO ADDRESS TO A LIST PRESS *L ", Press Speed Dial Number ("**04**") or enter (_____).
- 9.0 At the voice prompt "WHEN FINISHED PRESS THE "*" AND "#" KEYS", press "***#**" buttons on the Fax number keys.
- 10.0 A voice prompt will inform you that "YOUR MESSAGE ID IS XXXX AND WILL BE SENT TO XXXX RECIPIENTS".
- 11.0 At the voice prompt, "PLEASE START YOUR FAX MACHINE", press the Fax "**START**" button.
- 12.0 Hang up the phone or press the "HOOK" button if used.
- 13.0 Return to procedure/Attachment step in progress.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 14 (1 of 1)

ERO BEEPER ACTIVATION INSTRUCTIONS (EXAMPLE)

- 1.0 Ask NSS/ED: **SITE ACCESSIBLE** or **SITE INACCESSIBLE**
- 2.0 Activate ERO Beepers by:
 - 2.1 On EP Auto-Dialer, press button marked **BVERS OR** dial 9# 643-4370 (or from a PAX phone, dial 9-643-4370).
 - 2.2 Interrupt the greeting by **IMMEDIATELY** entering **XXXXXX**.
 - 2.3 When prompted, enter scenario number:

<u>SITE ACCESSIBLE</u>	<u>XXXXX</u>
<u>SITE INACCESSIBLE</u>	<u>XXXXX</u>
 - 2.4 When prompted, verify scenario number (9 for YES or 6 for NO).
 - 2.5 Verify, when prompted, “You will cue SCENARIO **XXXXXX**. It will now be sent. Are you sure this is what you want to do?” (9 for YES or 6 for NO)
 - 2.6 Hang up.
- 3.0 Call the Central Alarm Station (CAS) (PAX 5114/5115) and provide the following information:
 - 3.1 EPP Communicator _____ (Give your Name) _____.
 - 3.2 **EPP CODE WORD** _____.
 - 3.3 A(n) _____ has been declared
 - 3.4 ERO pagers will be activated. Call back at PAX _____ when beeper activates.
 - 3.5 **STATE**, “Begin Near-Site Building Emergency Notifications”.
- 4.0 Return to Procedure/Attachment Step in progress.

NOTIFICATIONS

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NOTIFICATIONS

ATTACHMENT 15 (1 of 2)

**ACTIVATION OF THE INITIAL NOTIFICATION
CONFERENCE (INC) CALL INSTRUCTIONS (EXAMPLE)**

NOTE:

For an ALERT, or higher emergency declaration, the ERO Beepers **SHALL** be activated prior to the initiation of the INC call. Part A.1 initiates the INC call computer program. Part A.2 provides direction for the Communicator to enter the conference call with the Offsite Agencies.

A. INITIATING INC

NOTE:

If BVERS is unavailable, go to Part B.1 of this Attachment.

- 1.0 Activate Offsite Agency Initial Notification Conference (INC) Call.
 - 1.1 On EP Auto-Dialer, press button marked **INC OR DIAL** 9# 1-330-315-4380 (or from a PAX phone, dial 9-1-330-315-4380).
 - 1.2 Interrupt the greeting by **IMMEDIATELY** entering **XXXXXX**.
 - 1.2.1 **IF** unable to activate INC, GO TO PART B of this procedure.
 - 1.3 When prompted, enter the **SCENARIO NUMBER XXXXX**.
 - 1.4 When prompted, verify the **SCENARIO NUMBER (9 for YES OR 6 for NO)**.
 - 1.5 Verify when prompted, "You will cue **SCENARIO XXXX**. It will now be sent. Are you sure this is what you want to do?" (**9 for YES OR 6 for NO**).
 - 1.6 Hang up.
- 2.0 Access Initial Notification Conference Bridge.
 - 2.1 On EP Auto-Dialer, press button marked **CONF. Bridge OR** dial 9# 682-1900 (**OR** from a PAX phone, dial 9 682-1900).
 - 2.2 When prompted, enter **XXXXXX**, then the # key.
- 3.0 Return to Procedure/Attachment Step in progress.

NOTIFICATIONS

ATTACHMENT 15 (2 of 2)

**ACTIVATION OF THE INITIAL NOTIFICATION
CONFERENCE (INC) CALL INSTRUCTIONS (EXAMPLE)**

- B. Individual Offsite Agency Initial Notification(s).
 - 1.0 Obtain completed Initial Notification Form from the NSS/ED or Control Room FAX machine.
 - 2.0 Contact each required Offsite Agency per EPP/IP 1.1, Attachment 2.
 - 3.0 Record the contact time and the name of agency representative on attachment.
 - 4.0 **STATE** "This is _____ (Your Name) _____ EPP Communicator".
 - 5.0 **STATE** "EPP Code Word is _____."
 - 6.0 Ask each agency if they received the Initial Notification Form FAX and if it is legible.
 - 6.1 If YES, ask if there are any questions.
 - 6.2 **STATE** the Protective Action Recommendation.
 - 6.3 If NO, provide information from Initial Notification Form.
 - 7.0 Return to Procedure/Attachment Step in progress.

COMMUNICATIONS AND DISSEMINATION
OF INFORMATION

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

APPROVAL PAGE

Intent Related Revision ___ Yes X No

IF YES

OSC and Site Approval

OSC Meeting Number _____ Date _____

Reviewed _____
Manager, Emergency Preparedness Date

Approved _____
Director, Plant Services Date

IF NO

Reviewed Susan L. Vicinie _____
Manager, Emergency Preparedness 4-18-01
Date

Approved Mark R. Pearson _____
Director, Plant Services 4/20/01
Date

CONTROLLED
BVPS UNIT 3

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-12-87
	1	OSC Approved	6-20-88
	2	Non-Safety Revisions	7-13-89
	3	OSC Approved	3-22-90
Issue 9 Rev.	0	Non-Intent Revision	10-9-90
	1	Non-Intent Revision	8-30-91
	2	Non-Intent Revision	6-8-92
	3	Non-Intent Revision	12-29-92
Rev.	5	OSC Approved	11-10-93
	6	Non-Intent Revision	11-15-94
	7	Non-Intent Revision	9-1-95
	8	Non-Intent Revision	4-3-96
	9	Non-Intent Revision	6-17-96
	10	Non-Intent Revision	6-17-97
	11	Non-Intent Revision	4-1-98
	12	Non-Intent Revision	9-28-99
	13	Non-Intent Revision	12-2-99
	14	Non-Intent Revision	7-12-00
	15	Non-Intent Revision	01-23-01
	16	Non-Intent Revision	05-01-01

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

TABLE OF CONTENTS

- A. Purpose
- B. References
- C. Responsibilities
- D. Action Levels/Precautions
- E. Procedure
- F. Final Condition
- G. Attachments

COMMUNICATIONS AND DISSEMINATION OF INFORMATION**A. PURPOSE**

This procedure describes the locations and functions of the communications systems available for emergency use onsite and for contacting offsite agencies, their location and their functions. Attachments to this procedure describe specific operations for these systems, as necessary.

B. REFERENCES

- 1.0 Beaver Valley Power Station Emergency Preparedness Plan.
- 2.0 Beaver Valley Power Station Operating Manual.
- 3.0 Title 10, Code of Federal Regulations Part 50, Appendix E.
- 4.0 NUREG-0654/FEMA-REP-1, "Criteria for Preparedness and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".
- 5.0 Title 10 Code of Federal Regulations Part 50.72.
- 6.0 NUREG-1394 Rev. 1, "Emergency Response Data System Implementation"
- 7.0 Condition Report #970711
- 8.0 Condition Report #971737

C. RESPONSIBILITIES

ERO personnel are responsible for proper use of communications systems as described in this IP.

D. ACTION LEVELS/PRECAUTIONS

This procedure is to be initiated upon any of the following conditions:

- 1.0 At the direction of the Emergency Director.
- 2.0 At the declaration of an emergency condition.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION**E. PROCEDURE**

1.0 Communication Guidelines

1.1 To the maximum extent possible, all communications regarding the existence or severity of the event, or recommendations of protective actions, will be made on communications circuits which cannot be readily intercepted by persons outside of the emergency organizations. Telephone circuits shall be used as the primary means with radio used only as a backup. This protocol will minimize the spread of rumors, minimize congestion of telephone communications and minimize the undue public anxiety.

1.1.1 When the radio communications are in use, the transmissions can be monitored and recorded by individuals located offsite. It is of extreme importance that safeguards information is not transmitted, nor information concerning physical plant security systems or conditions. As an example, information describing the exact location of a gate for ambulance or fire department use, or location of a breached Security fence should not be relayed over the radio. If such information is needed in the Control Room, the PAX or page party should be used.

1.2 In addition to the provisions of Step 1, messages should be worded to avoid possible errors in transcription/interpretation in accordance with the following guidelines as applicable:

1.2.1 To the extent possible, avoid the use of technical jargon, particularly in communications with offsite agencies.

1.2.2 Ensure that the message is complete. Do not assume that the message recipient can supply the proper missing words, etc., necessary to make the message complete.

1.2.3 Avoid the use of abbreviations. For example, millirem - not "m-rem", "m-R". To the extent possible, utilize the phonetic alphabet.

1.2.4 Read numbers "telephone number" style. Thus, 425 becomes "four-two-five" not "four hundred and twenty-five".

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

- 1.2.5 Avoid the use of codes.
- 1.2.6 Preface each communication with the title or name of the receiving party and your title or name. For example: "Beaver Valley Control Room, this is Monitoring Team Number 1.." Wait for the receiving party to acknowledge the contact prior to relaying any information.
- 1.2.7 Since some equipment in the radio system is voice actuated, it is wise to clear your throat or make another noise prior to starting your message. This will prevent the loss of the beginning of your message.
- 1.2.8 After the communication is complete, request the receiving party to read the message back, if appropriate (particularly if numerical data was relayed).
- 1.2.9 For radio communications, end message with an appropriate termination phrase. For example: "...Monitoring Team Number 1, out."
- 1.3 The Coordinator or designee will log appropriate communications on provided data forms.
- 1.4 To minimize the spread of rumors, refer all communications from news media or from the public to Corporate Communications.
 - 1.4.1 Inquiries from the media should be directed to (724) 682-5201 or 330-761-4055.
 - 1.4.2 Inquiries from the public should be directed to 1-800-720-3600. During non-business hours, inquiries from the public should be directed to 1-800-720-3600. They will be patched to the Joint Public Information Center and the applicable State rumor control line.
- 1.5 Once the Emergency Operations Facility (EOF) is activated, encourage authorized callers to contact the Offsite Agency Liaison at the EOF for information. This will minimize the number of communications and improve the accuracy of information disseminated.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

- 1.6 FirstEnergy Corporate Communications is responsible for providing briefings and press releases to the news media. FirstEnergy Corporate Communications will provide representatives to the ERF. ERF personnel shall provide information on the plant status as requested. No information should be held back from FirstEnergy Corporate by BVPS personnel. Station personnel shall ensure that the information provided to FirstEnergy Corporate Communications is current and consistent with the information provided to offsite emergency organizations. EPP/IP 9. 1, "Emergency Public Information", provides additional information on the release of information to the news media.
- 1.7 For emergencies in which the public is notified (sirens, EAS, etc.) the commercial Bell network near the plant (643 exchange) may be unavailable due to overloading. The PAX exchange (682) should be available.
 - 1.7.1 If the exchanges are overloaded, use the BVPS Industrial Radio System to make the emergency calls.
 - 1.7.2 To contact PEMA, notify either BCEMA or the Pennsylvania State Police, and request that they relay notification via a State teletype or radio/microwave network.
 - 1.7.3 To contact The Medical Center, Beaver, PA, the ambulance service, or the fire department, use the BVPS Industrial Radio to contact BCEMA for relay via the County fire and EMS nets.
 - 1.7.4 The portable transceiver on frequencies 155.130 MHz and/or 155.610 MHz (Beaver County Net) in the CAS could be used to relay offsite notifications in the event the BVPS Industrial Radio System and commercial Bell System are unavailable.

F. FINAL CONDITIONS

Use of this procedure is to be terminated when directed by the Emergency Director or the Emergency/Recovery Manager at their respective facilities.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

G. ATTACHMENTS

- 1.0 COMMUNICATIONS INTERFACE MATRIX
- 2.0 OPERATING INSTRUCTIONS FOR NRC ENS AND HPN HOTLINE PHONE
- 3.0 COMMUNICATIONS EQUIPMENT
- 4.0 EMERGENCY RESPONSE ORGANIZATION ACTIVATION EQUIPMENT
- 5.0 EMERGENCY PAGING DEVICES/BEEPERS
- 6.0 DISSEMINATION OF DATA BETWEEN RESPONSE CENTERS
- 7.0 ALTERNATE METHOD OF PROVIDING INITIAL NOTIFICATIONS AND PAR'S VIA RADIO

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

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COMMUNICATIONS INTERFACE MATRIX

	BELL	PAX	ETS	DEP/BRP	OPS CIRCUIT	RADCON CIRCUIT	DED. RING DOWN	DED. RAD CON	BEEPERS	153.47	153.635	PAGE PARTY	STATION ALARMS
BV-1 CONTROL ROOM	X	X	X		X	X	X	X		X	X	1	X
BV-2 CONTROL ROOM	X	X			X	X	X	X			X	2	X
NSS OFFICE	X	X	X	X						X		3	
OSC	X	X			X	X	X	X		X		1	X
ROC	X	X	X		X	X		X		X		1	
TSC	X	X	X		X	X	X	X		X		1	
HOI	X	X	X		X	X	X			X			
EA&DP	X	X	X	X		X		X		X			
CAS	X	X			X				X			1	
PEMA	X			X									
DEP/BRP	X												
OEMA	X												
WVOES	X												
BCEMA	X									X			
CCEMA	X									X			
HCOES	X									X			
NRC	X		X										
HEMA	X												
INFO	X												
JPIC	X	X								X		1	
MONITORING TEAMS	X										X		
BVPS PRO	X								X				
AEOF	X	X			X	X	X	X		X			
U2 HP	X	X							X				2

PAGE PARTY KEY 1 = BV1 2 = BV2 3 = BOTH

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

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COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 2 (1 of 3)

**OPERATING INSTRUCTIONS FOR NRC
ENS AND HPN HOTLINE PHONES****A. PURPOSE**

This attachment provides instructions for the use of the designated phones of the Emergency Telephone System (ETS) for contacting the NRC Emergency Notification System (ENS) and Health Physics Network (HPN). These phones are designated for emergency use only.

B. DISCUSSION

The Emergency Telephone System (ETS) is a designated set of phones on the commercial phone system that **DO NOT** go through either of the Beaver Valley Phone Switches but go directly to Akron, Ohio for switching. This is to meet the requirements for dissimilar vulnerability to assure contact with the NRC during a declared emergency at Beaver Valley Power Station should the local phone switches become overloaded. The ETS operates in the same manner as the Commercial phone systems when placing a long distance call. To place a call, lift the receiver, wait for a dial tone, dial "9" (due to the system being centraxed) then dial "1" followed by the 10-digit phone number.

There are several phones installed in various facilities for contacting the ENS and HPN. In addition, other ETS phones have been located in the ERF for use by the NRC in the event of an emergency at BVPS. These phones are red in color and can be identified by their designated area code (330) and are designated for communications with the NRC only.

C. PROCEDURE**NOTE:**

The ETS phones **SHALL** not be used by BVPS personnel, except for periodic phone checks or as directed by NRC personnel. The instructions which follow are provided in case such operation is required.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 2 (2 of 3)

1.0 ENS/HPN Phone

- 1.1 Lift the receiver on the telephone instrument and listen for dial tone;
- 1.2 After receiving dial tone, dial the first number listed on the sticker* located on the telephone instrument using all ten digits. If the first number is busy, use the second.

NOTE:

This procedure directs your call to the NRC Operations Center (NRCOC).

* The sticker is located between the receiver cradle on the base of the instrument and displays the following phone numbers to the NRCOC.

Main..... 1-800-532-3469
 Or..... 1-301-816-5100
 Backup 1..... 1-800-449-3694
 Or..... 1-301-951-0550
 Backup 2..... 1-301-415-0550
 Backup 3..... 1-301-415-0553
 FAX..... 1-301-816-5151
 Region IV
 (Alt. Site)..... 1-817-860-8100

- 1.3 Once the information is relayed, stay on the line until relieved by another individual, or as directed by the NRC.

NOTE:

EPP/IP 1.4, Attachment 10 "NRC/BVPS Technical Information Flow" provides the NRC data sheets for the ENS and HPN lines in the event of ERDS failure.

- 1.4 Complete and relay EPP/IP 1.4, Attachment 10 (NRC/BVPS Technical Information Flow, if ERDS is unavailable) as requested by the NRC Operations Center.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 2 (3 of 3)

- 1.5 The NRC, ENS and HPN lines **SHALL** be tested to meet the requirements of 10CFR50, Appendix E under cognizance of Emergency Preparedness.
- 1.6 Telephone line/instrument trouble **SHOULD** be reported to the Help Desk at 825-3700.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

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COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (1 of 6)

COMMUNICATIONS EQUIPMENTA. PURPOSE

This attachment describes the independent systems for outside communication to Federal, State and County authorities, to corporate management, and to offsite support groups. These are:

B. EQUIPMENT

1.0 The Bell System

- 1.1. The Beaver Valley Power Station is provided with telephone service by Bell Atlantic. All Bell telephones are direct lines and can be used simultaneously.
- 1.2. The Bell System is the primary communications system due to its ability to provide communications with a large number of parties over a wide area, and for the privacy provided.
- 1.3. The Bell phones are routinely used by station personnel performing normal station activities, those numbers used for EPP communications are tested to meet the requirements of 10CFR50, Appendix E.

NOTE:

The "EPP" switch directs calls to the shared NSS office until the TSC is activated. Upon activation, the switch is reversed and calls are directed to the ERF.

- 1.4. There is normally an independent - ringing telephone line to the shared NSS office (724-643-8002). During emergencies, an "EPP" switch provides the capability for three sequential-ringing telephone lines (724-643-8000, 8001, 8002) with an open line search feature.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (2 of 6)

- 2.0 The PAX (Private Automatic Exchange) System
 - 2.1 The PAX System includes switchboards in the SOSB and the ERF. The ERF and the SOSB switchboards are connected to each other and to a switchboard at Akron, Ohio via T1 carrier trunks, which in turn is connected to the public telephone network as well as to other DLC switchboards. The ERF and SOSB switchboards also have direct trunks to the public telephone network.
 - 2.2 The PAX System has Direct Inward Dial capability for all telephone lines connected to any of the switchboards (724-682-XXXX). These telephone lines also have the capability of calling any other telephone line on the PAX System. Direct Dial calling to the public telephone network is also available.
 - 2.3 During an emergency, PAX lines should be used for extended conversations and discussions thus allowing quick data transmission via the dedicated circuits.
 - 2.4 The PAX System is routinely used by station personnel performing normal station activities and is tested to meet the requirements of 10CFR50, Appendix E.
- 3.0 Beaver Valley Emergency Response System (BVERS)
 - 3.1 Refer to Attachment 4 for Emergency Response Organization Activation Equipment.
 - 3.2 Gold Execute Conference for upper level management discussions and Protective Action Recommendations.
- 4.0 Hotlines DEP/BRP
 - 4.1 There are two separate and independent "hotlines" which provide direct communications with the DEP/BRP over dedicated lines. These lines are immediately available during an emergency.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (3 of 6)

- 4.2 The DEP/BRP "white" hotline is an automatic ringdown system with a transceiver in the Control Room and at DEP/BRP headquarters in Harrisburg, Pa. This phone circuit has been designated for the dissemination of technical data on the emergency to DEP/BRP personnel to provide for offsite accident assessment.

The DEP/BRP "blue hotline" is an automatic ringdown system with a transceiver at the DEP/BRP area in the EOF used to provide radiological data to BRP.

- 4.3 The DEP/BRP white and blue phones shall be tested to meet the requirements of 10CFR50, Appendix E under cognizance of Emergency Preparedness.

5.0 Industrial Radio System

- 5.1 The Industrial Radio System that is used as part of EPP emergency communications network consists of two base stations for operating frequencies 153.47 MHz and 153.635 MHz. In addition, BVPS Security has exclusive use of 450 MHz repeater/hand held transceiver radio system.
- 5.2 The 153.47 MHz consists of the following: The Shippingport Hill base station, six (6) remote consoles located in the TSC, EOF, BV-1 ANSS station, the shared NSS office, and BV-2 Emergency Shutdown panel and five (5) hand held transceivers which have the capability to transmit and receive on either frequency.

Private line capability exists (153.47). These are as follows:

PL1 Used for communication with System Operator, distribution switching.

PL2 Used for emergency communications with BCEMA, HCOES, CCEMA and Pa State Police ONLY. (For Initial Notifications or PAR's, go to Attachment 7.)

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (4 of 6)

PL3 Used for communications with offsite monitoring teams, and all other routine uses.

PL4 Spare.

The private line feature provides for tone-operated squelch on transmit and receive. When the PL is enabled, only transmitters broadcasting the appropriate PL tone (1, 2, or 3) will be heard on the console. If the PL is disabled (by lifting handset), the console or handset will receive any transmission. Any transmissions from the Control Room console or handsets will be received only by those receivers having the same PL selected as the Control Room console. Any remote receiver without a PL feature, or with the PL feature disabled will receive all transmissions, regardless of source.

The PL feature is not a means of carrying on four simultaneous conversations - only one conversation can be held at any one time - it is a means to establish privacy. The sole purpose of the PL feature is to prevent reception of unwanted message traffic.

- 5.3 The base stations at HCOES, CCEMA, and BCEMA always transmit on PL2, and will receive only PL2 transmissions, if the PL feature on the receiver is enabled. If the PL feature is disabled, these stations will receive all transmissions on 153.47. The transceivers located in the NSOF area and at the PA State Police Barracks, receive on PL2, but do not have PL on transmit.

The base station at the ERF receives and transmits on PL1. All walkie-talkies and BVPS mobile units receive on PL3, but do not have a PL on transmit.

- 5.4 A "takeover" button on the Control Room console will override any extension handsets.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (5 of 6)

- 5.5 A low band system on approximately 50 MHz is used by in-plant Radcon personnel at BVPS. There is no PL feature on the low band.
- 5.6 The BVPS Industrial Radio System is the primary means of communication with offsite monitoring teams and is an alternate to the Bell phone for notification of offsite emergency response organizations.
- 5.7 The system is routinely used by station personnel. The base stations are tested by substations and shops. The communications links from the Control Room, TSC and EOF to the three risk counties, and the Pennsylvania State Police are tested to meet the requirements of 10CFR50, Appendix E.

6.0 Station Page Party**NOTE:**

There are 2 independent Page Party Systems at BVPS (Unit #1 and Unit #2). During routine operations, the systems maintain independent operation. During an actual emergency, the capability exists for the joint Control Room facility to perform a site-wide page or announcement. Discussions between the 2 systems are not possible in its present configuration.

- 6.1 Each Page Party System is a five line telephone system which uses loudspeakers to page an individual party. The system provides for paging individuals within the plant from any other page station, and if necessary, communicating with them. Since the five lines are common to all stations, conference calls are possible.
- 6.2 During emergency conditions, the PAX system, if available, should be used for answering a page in order to free the system for communications from emergency squad members, survey teams, and others not having access to PAX phones.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 3 (6 of 6)

6.3 The ability to interface the Page Party with the PAX Phone System exists. This system allows personnel to access the Page Party System from any PAX phone to page either Unit. The PAX phone numbers for the Page Party are:

- Unit 1 - 5199
- Unit 2 - 5399

NOTE:

Emergency Response internal communications are discussed in Attachment 6.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 4 (1 of 4)

EMERGENCY RESPONSE ORGANIZATION ACTIVATION EQUIPMENT**A. PURPOSE**

This Attachment provides instructions for the identification, location and use of the Beaver Valley Emergency Response System (BVERS), the ERO Voice Mail System and Notifications Auto-dialer.

B. EQUIPMENT DESCRIPTION AND LOCATION

1.0 Beaver Valley Emergency Response System

- 1.1 Dialogics Communication Corp. Communicator located in the ERF Computer Room (UPS powered).
- 1.2 724-643-4370 or 330-315-4380 is the designated call-in number. To facilitate call-ins, at least 24 lines are available. Either the computer assisted call-in system will answer or a busy signal will be received.
- 1.3 Faxes will be sent to various locations for verification of ERO call-in.
- 1.4 Preprogrammed messages are accessible. These messages are:
 - 1.4.1 NORMAL OPERATIONS
 - 1.4.2 DRILL AND PERIODIC OPERATIONAL SURVEILLANCE TEST (OST)
 - 1.4.3 ACTUAL EVENT
 - 1.4.4 ACTUAL EVENT--SITE INACCESSIBLE
- 1.5 The ability to provide messages for various occurrences (i.e., Unit specific transient).

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 4 (2 of 4)

- 2.0 Emergency Response Organization Voice Mail System
 - 2.1 Panasonic KX-TVS100 Voice Processing System
 - 2.2 Located in the ERF Telecomm Room and connected to the Beaver Valley Power Station telephone system.
 - 2.3 724-682-5380 (PAX 5380), is the designated call-in number.
 - 2.3.1 Incoming calls are distributed to four available phone lines as they become available to a voice mail box.
 - 2.3.2 To verify each voice mail box is functional, a direct call can be accomplished by dialing PAX 7780, 7781, 7782 or 7783. This should only be done for troubleshooting, or as directed by procedure.
 - 2.4 Prerecorded messages are available for selection. They are:
 - 2.4.1 NORMAL OPERATIONS
 - 2.4.2 DRILL AND PERIODIC OPERATIONAL SURVEILLANCE TEST (OST)
 - 2.4.3 ACTUAL EVENT
 - 2.4.4 ACTUAL EVENT--SITE INACCESSIBLE
 - 2.5 The Emergency Response Organization Voice Mail System is tested to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 4 (3 of 4)

- 2.6 Voice Mail messages are retrievable by use of a PAX line.

NOTE:

Actual Event incoming messages become permanent records. They are NOT to be erased. They are to be saved for the EP Section.

- 2.6.1 Dial PAX 7783.
- 2.6.2 When message begins, press # .
- 2.6.3 When prompted to enter the Mail Box number, enter
* **1 1 2** .
- 2.6.4 When prompted, press **1** to play back voice mail messages.
- 2.6.5 While playing voice mail messages, press **1** to go to next message or press **2** to repeat message. You do not have to wait for the prompt to press either key.
- 3.0 Auto-Dialer
- 3.1 Auto-dialers are located in the Control Room and TSC EPP Communications areas.
- 3.2 All auto-dialer phones are tested to meet the requirements of 10CFR50, Appendix E.
- 3.3 Instructions for using the Auto-Dialers, programming the Auto-Dialer numbers and the list of numbers in the Auto-Dialer are in Designated EPP Desk/Cabinet drawers in the Control Room and TSC.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 4 (4 of 4)

- 3.3.1 The auto-dialer in the Control Room and TSC are designed to work by pushing the button next to the number listed that is to be called. The numbers are listed in EPP/IP 1.1, Notifications, Attachment 2.
- 3.3.2 The number dialed will appear on the LCD display area for all auto-dialer phones.
- 3.3.3 Upon reaching the appropriate party, commence the notification.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 5 (1 of 2)

EMERGENCY PAGING DEVICES/BEEPERS

A. PURPOSE

This Procedure provides instructions for the issuance, testing and maintenance of the Radio Paging (Beeper) device used to notify key personnel in the event of an emergency. The primary purpose for the paging devices is for non-work hour notification of Emergency Response personnel.

B. PROCEDURE

1.0 Issuance of Paging Devices

1.1 Paging devices will be issued by Emergency Preparedness to key personnel as outlined below.

- Designated ERO positions in the emergency organization
- Selected alternates to other positions as needed.
- Others as agreed upon by the Department Managers and Emergency Preparedness.

1.2 Personnel assigned a paging device for ERO purposes are listed on the Emergency Response Organization Call-List. The Call-List is updated bi-monthly and is distributed by Emergency Preparedness.

NOTE:

The call for beeper activation **SHALL** be made before all other notifications from the Control Room.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 5 (2 of 2)

EMERGENCY PAGING DEVICES/BEEPERS

- 2.0 Testing and Maintenance
 - 2.1 The paging and answering systems **SHALL** be tested as part of the Operating Surveillance Test (O.S.T.) Program, on a periodic basis. ERO members of the "On Call" Team **SHALL** respond during the test by calling the number designated in the beeper code and supplying the information requested.
 - 2.2 Unannounced beeper activation tests will be conducted at the discretion of a designated EP representative.
 - 2.3 Verification results are forwarded to Emergency Preparedness who is responsible for prompt resolution of any identified deficiencies.
 - 2.4 Personnel assigned a paging device are responsible for proper care and use of the device as outlined in instructions provided with the device.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION**ATTACHMENT 6 (1 of 7)****DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS****A. PURPOSE**

This Attachment describes the communications available for the transfer of data between the various emergency response facilities.

B. REFERENCES

- 1.0 Beaver Valley Power Station Emergency Preparedness Plan and Implementing Procedures.
- 2.0 Title 10 Code of Federal Regulations Part 50
- 3.0 Beaver Valley Power Station Operating Manual Chapter 40.
- 4.0 NUREG-0654/FEMA-REP-1, "Criteria for Preparedness and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".

C. RESPONSIBILITIES

The designated ERO communicators are responsible to ensure all communication systems for internal communications are operable, all instructions followed and any malfunctions reported. The Communications Equipment Foreman, or designee, is responsible for addressing any reported malfunctions.

D. ACTION LEVELS/PRECAUTIONS**1.0 ACTION LEVELS**

- 1.1 An emergency condition has been declared at Beaver Valley Power Station as provided in the BVPS Emergency Preparedness Plan.
- 1.2 The emergency organizations have been activated.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (2 of 7)

**DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS**

1.3 Upon direction from the Emergency Director, all or part of the Emergency Response Organization has been activated.

2.0 PRECAUTIONS

2.1 This procedure provides general information on how technical and operational data are transferred between various individuals in the emergency organization. This procedure is intended to serve as guidance and need not be followed step-by-step.

2.2 Requests for information from members of the news media or from unidentified individuals shall be referred to Corporate Communications (724-682-5201) or the Joint Public Information Center (JPIC), when activated, (412-604-4937).

2.3 Each individual in the emergency organization must ensure that when information becomes available, it is forwarded to the appropriate individuals or groups and in a manner that it is likely to be understood by the recipient.

2.4 To the extent possible, the Emergency Director and/or the Emergency Recovery Manager shall minimize the amount of time spent on the communication circuits.

2.5 Written forms of communication should be used when appropriate. If no predesignated data sheet exists, a speed memo should be used with the copies distributed as follows:

2.5.1 Top copy (original) to the Emergency Director.

2.5.2 Second copy to the Emergency/Recovery Manager.

2.5.3 Third copy to the individual responsible for taking action on the data.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (3 of 7)

**DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS**

After the Emergency Director and/or Emergency/Recovery Manager have read the message, the sheet is forwarded to the status board keeper for recording and kept for documentation.

E. PROCEDURE**1.0 RADIOLOGICAL HEADSET CIRCUIT**

- 1.1 This circuit provides constant and timely transfer of in-plant radiological data between the emergency response centers.
- 1.2 Communicators assigned by various coordinators will operate the headset at the locations shown in Attachment 1.
- 1.3 Persons requesting or volunteering information should identify themselves and the party to whom the message is directed prior to message transmittal.
- 1.4 This circuit is tested to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.

2.0 OPERATIONS HEADSET CIRCUIT

- 2.1 The operations circuit is used in conjunction with the Inplant Process Computer system, Safety Parameter Display System, or Emergency Response Facility Computer System. This circuit is used for disseminating Control Room information to other emergency facilities.
- 2.2 The Operations Communicator is assigned to the Control Rooms as part of the TSC staff and is identified in the emergency organization. Other communicators on the operations circuit are assigned by the various coordinators. Locations for the operations circuit are shown in Attachment 1.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (4 of 7)

**DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS**

- 2.3 Persons requesting or volunteering information should identify themselves and the party to whom the message is directed prior to message transmittal.
- 2.4 This circuit is tested to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.
- 3.0 RADIOLOGICAL RESPONSE DEDICATED TELEPHONE
 - 3.1 This telephone system provides a means for onsite emergency response centers to plan and coordinate radiological response activities.
 - 3.2 This system is located in the plant areas as shown in Attachment 1, "Communications Interface Matrix".
 - 3.3 This system will be manned by communicators assigned by emergency coordinators. The phones will provide direct ringdown capability between each station but no "party-line" features between the stations.
 - 3.4 This circuit is tested to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.
- 4.0 TSC/EOF/CONTROL ROOM DEDICATED TELEPHONES
 - 4.1 The TSC/EOF/Control Room dedicated telephones are a dedicated ring down intercom circuit connecting the plant areas as shown in Attachment 1, "Communications Interface Matrix".
 - 4.2 The purpose of these circuits is to provide a reliable means of conducting longer term conversation between the personnel at each location.
 - 4.3 The dedicated phones receive power from the SOSB and ERF phone switches.
 - 4.4 This circuit is tested to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (5 of 7)

**DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS**

5.0 COMPUTERS

- 5.1 Atmospheric Radioactive Effluent Release Assessment System (ARERAS). The ARERAS computer system will provide data needed for determination of meteorological conditions in the vicinity of the Beaver Valley Power Station and to assess and monitor actual or potential offsite consequences of a release during a radiological emergency condition.
- 5.2 Inplant Process Computer System (IPC-BV1, ERFCS-BV2). These systems perform data acquisition, trending, alarm reporting, logging, CRT displays, data storage and various human communication functions to provide for the monitoring of plant variables in the Control Rooms, the Technical support Center (TSC), and the Emergency Operations Facility (EOF). The equipment interfaces with the plants for inputs at several locations and provides analog outputs at the TSC for chart recorders.
- 5.3 Safety Parameter Display System (SPDS-BV1) - The SPDS provides a concise display of critical plant parameters to aid operators in rapidly and reliably determining the safety status of the plant during abnormal and emergency conditions. Duplicate displays are provided in the TSC and EOF in order to improve the exchange of information between these facilities and the Control Room. The SPDS is capable of trending and displaying current and recent parameter magnitudes as a function of time.
- 5.4 These systems are tested in the TSC and EOF to meet the requirements of 10CFR50, Appendix E, under the cognizance of Emergency Preparedness.

6.0 STATUS BOARDS

- 6.1 Status boards are provided in the response facilities for tracking data and response actions. The boards also aid in turnovers, documentation and overall assessment of the accident.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (6 of 7)

**DISSEMINATION OF EMERGENCY DATA
BETWEEN EMERGENCY RESPONSE CENTERS**

6.2 Designated status board keepers shall update the narrative board which provides sequential display of events as situations warrant.

7.0 PARTY PAGE

Internal communications related to the emergency response will be in the form of periodic announcements made to keep all site and response personnel apprised of events.

8.0 STATION ALARM

8.1 The station alarm shall be sounded over the station page system to alert station personnel an emergency condition exists.

8.2 The Control Room shall sound the station alarm anytime an emergency condition is declared, escalated or de-escalated. An announcement shall follow informing station and emergency response personnel of the current situation.

F. FINAL CONDITIONS

Use of this procedure shall be terminated at the time of TSC deactivation or when directed by the Emergency Director.

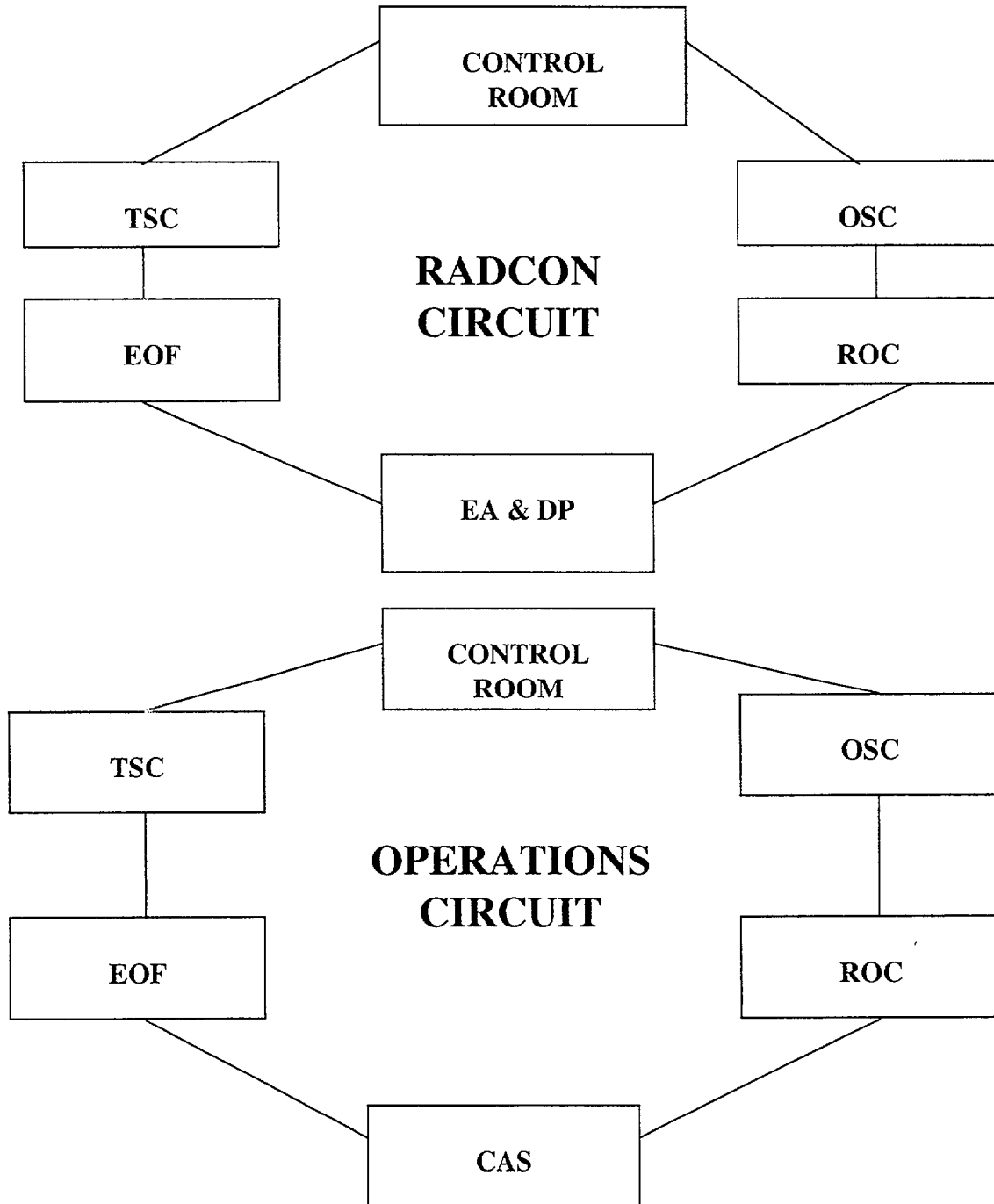
G. FIGURES

1.0 EMERGENCY HEADSET PHONE CIRCUITS

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 6 (7 of 7)

FIGURE 1
EMERGENCY HEADSET PHONE CIRCUITS



COMMUNICATIONS AND DISSEMINATION OF INFORMATION

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COMMUNICATIONS AND DISSEMINATION OF INFORMATION

ATTACHMENT 7 (1 of 1)

**ALTERNATE METHOD OF PROVIDING
INITIAL NOTIFICATIONS AND PAR'S VIA RADIO**

- 1) From one of the remote 153.47 MHz radio consoles, press the PL2 button. This line is used for emergency communications with Beaver County Emergency Management Agency (Beaver County 911 Center), Columbiana County Emergency Management Agency, and Hancock County Office of Emergency Services.

- 2) Make the following announcement:

"Beaver County 911, this is Beaver Valley Power Station, please acknowledge, Columbiana County Sheriff Dispatch, this is Beaver Valley Power Station, please acknowledge, Hancock County Sheriff Dispatch, this is Beaver Valley Power Station, please acknowledge."

Repeat, as necessary.

- 3) Upon County acknowledgment, announce the following:

"I have an Initial Notification/Protective Action Recommendation for you. Please acknowledge."

Repeat, as necessary.

- 4) Provide Initial Notification and/or PAR and request acknowledgment.

COMMUNICATIONS AND DISSEMINATION OF INFORMATION

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EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

**EPP/IP 1.5
A5.735B**

APPROVAL PAGE

Intent Related Revision ___ Yes X No

IF YES

OSC and Site Approval

OSC Meeting Number _____ Date _____

Reviewed _____
Manager, Emergency Preparedness Date

Approved _____
Director, Plant Services Date

IF NO

Reviewed Susan L. Vicinie _____
Manager, Emergency Preparedness 4-18-01
Date

Approved Paul Pearson _____
Director, Plant Services 4/20/01
Date

**CONTROLLED
BVPS UNIT 3**

EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-12-87
Issue 9 Rev.	0	Non-Intent Revision	10-9-90
	1	Non-Intent Revision	10-11-91
	2	Non-Intent Revision	12-29-92
Rev.	5	OSC Approved	11-10-93
Rev.	6	Non-Intent Revision	10-7-94
Rev.	7	Non-Intent Revision	10-31-95
Rev.	8	Non-Intent Revision	12-8-95
Rev.	9	Non-Intent Revision	10-23-96
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EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION

EPP/IP 1.5

A. PURPOSE

This procedure provides instructions for the Activation, Operation and Deactivation of the Operations Support Center and the Radiological Operations Center.

B. REFERENCES

- 1.0 Beaver Valley Power Station Emergency Preparedness Plan and Implementing Procedures.
- 2.0 Beaver Valley Power Station Operating Manual.
- 3.0 Title 10 Code of Federal Regulations Part 50, Appendix E.
- 4.0 NUREG-0654/FEMA-REP-1 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants."
- 5.0 Condition Report 00-2206

C. RESPONSIBILITIES

- 1.0 The Operations Support Center Coordinator is responsible for activation, operation and deactivation process for the Operations Support Center as outlined in this procedure.
- 2.0 The Radiological Operations Center Coordinator is responsible for the activation, operation and deactivation of the Radiological Operations Center.

D. ACTION LEVELS/PRECAUTIONS

1.0 ACTION LEVELS

- 1.1 An emergency condition corresponding to an ALERT or higher emergency classification has been declared at Beaver Valley Power Station as provided in the BVPS Emergency Preparedness Plan.
- 1.2 The Emergency Director has deemed it necessary to activate either or both of these facilities.

2.0 PRECAUTIONS

2.1 The Technical Support Center (TSC) (primarily the Emergency Director) shall establish priorities for repair tasks assigned to OSC Teams. The priority assigned a given task should be clearly communicated to the OSC and ROC by the Maintenance Coordinator and Radcon Coordinator in the TSC. Should the TSC fail to provide guidance, it is incumbent upon the OSC and/or ROC to request that priorities be assigned.

2.1.1 Priorities should be clearly identified on the TSC job priority status board.

NOTE:

Tasks should not be considered without checking with Radiological Controls Coordinator regarding conditions in the area. Federal guidelines for emergency exposure can not be exceeded. See EPP/IP 5.3 for details on limits.

3.0 OPERATIONS SUPPORT CENTER (OSC)

3.1 Location - The BV 1/2 Operations Support Center (OSC) is located in the Process Instrumentation and Rod Position Instrumentation Area located below the BV-1 Control Room.

3.2 Purpose - The OSC provides a location for Maintenance and Operations personnel to assemble in an emergency. This minimizes the congregation of excess personnel in the Control Room.

3.3 The Operations Support Center is equipped with a variety of communication systems including: Bell and PAX lines, FAX, Page Party and Station Alarm Systems, Radio frequencies and the Operations and Radcon Headset Circuits.

EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION

EPP/IP 1.5

- 3.4 An Operations Support Center Coordinator has been assigned to direct this center. This individual will report to the Emergency Director via the Maintenance Coordinator. Included in the OSC Coordinator's functions are: Direction of activities of the in-plant supplemental emergency team, assignment of personnel from the onsite pool of available persons in response to requests from the Emergency Director and the maintaining of accountability of personnel assigned to the OSC.

4.0 RADIOLOGICAL OPERATIONS CENTER (ROC)

- 4.1 Location - The BVPS Unit #1 Director, Radiological Operations Office is designated as the ROC for BV 1/2. The physical location is on the BV-1 Turbine Deck (735'). Monitoring equipment, ARERAS capable computer and other material to support Radcon activities are available in the ROC.
- 4.2 Purpose - The ROC is designated as the central location for coordinating Health Physics activities and technicians within the site.
- 4.3 The ROC has the following communication capabilities: Bell and PAX lines, Unit 1 Page Party, Emergency Telephone System (ETS) phone to contact the NRC/HPN, the Radcon and Operation headset circuits, and the Radiological Response Dedicated Telephone.
- 4.4 The Radiological Operations Center Coordinator reports to the Radiological Controls Coordinator located in the TSC.

E. PROCEDURE

1.0 ACTIVATION

- 1.1 Upon occurrence of an emergency condition which has been classified as an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY or upon direction of the Emergency Director, the OSC and ROC shall begin activation. (See Attachment 3 - OSC, Attachment 4 - ROC.)

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

- 1.2 The OSC shall be activated according to the emergency response call-out procedure.
 - 1.2.1 The OSC Coordinator shall ensure all facility personnel have been verified to meet Fitness For Duty requirements.

NOTE:

If the Site is inaccessible, the OSC Coordinator shall report to the Alternate EOF. Other OSC support personnel should be notified later upon determination of Site access conditions.

Should the OSC become uninhabitable, or access to the OSC restricted, OSC personnel will relocate to the SOSB second floor I&C Shop area.

- 1.3 The ROC shall be activated upon notification by the Control Room to Health Physics personnel that an emergency condition exists. Additional personnel shall be activated according to normal emergency response call-out procedures.
 - 1.3.1 The ROC Coordinator shall ensure all facility personnel have been verified to meet Fitness For Duty requirements.

NOTE:

If the Site is inaccessible, the ROC Coordinator shall report to the Alternate EOF. ROC support personnel should be notified later upon determination of Site access conditions.

Should the ROC become uninhabitable, personnel will be relocated to the Process Instrumentation and Rod Position Instrumentation Area (OSC). (See Attachment 5)

In the event the ROC and OSC are inaccessible, ROC personnel will relocate to the SOSB second floor I&C Shop area.

2.0 OPERATION

2.1 Operations Support Center

2.1.1 The OSC Coordinator, as requested by the Emergency Director, shall direct the activities of the emergency repair teams that have been formed to augment the Shift Emergency Squad.

2.1.2 Accountability of personnel in the OSC and those deployed in emergency teams will be the responsibility of the OSC Coordinator. (Reference IP 3.2)

2.1.3 All communications and any records generated during activation will follow the guidance outlined in the BVPS Implementing Procedures.

2.2 Radiological Operations Center (ROC)

2.1.2 Under the direction of the Radiological Operations Center Coordinator, the ROC provides onsite radiation control personnel for in-plant, onsite and offsite monitoring teams. This function will be consistent with maintaining appropriate radiation controls in-plant.

2.2.2 Accountability for personnel assigned to the ROC and onsite monitoring teams will be the responsibility of the Radiological Operations Center Coordinator. (Reference IP 3.2)

2.2.3 The ROC will coordinate Assembly Area and Emergency Response Facilities radiological habitability. Criteria for habitability are as follows:

2.2.4 Periodic briefings will be conducted to keep ROC personnel apprised of plant status. The briefing will be conducted using Attachment 7, "Checklist for Radiological Operations Updates" as guidance.

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

2.2.3.1 Emergency Response Facilities Habitability -- Other Than CR (ROC, OSC, TSC, EOF)

NOTE:

Declared pregnant workers and minor should be evacuated under the habitability criteria established for assembly areas.

IF the results of radiation surveys at emergency response facilities other than the Control Room indicate radiation levels of:

- >15.0 mrem/hr DDE or a projected dose in 30 days in excess of 5 rem DDE, and/or,
- Gross airborne activity (less noble gases) in excess of 5 DAC, or projected exposure in a week in excess of 40 DAC-hours for isotopic mix less noble gases, and/or,
- Gross airborne activity (less noble gases) that are projected to cause thyroid exposures in excess of 30 rem within 30 days.

THEN evacuate personnel in excess of minimum staffing requirements. Implement stay time controls (based on emergency exposure criteria as necessary in accordance with EPP/IP 5.3) for personnel remaining at the facility. Implement respiratory protection if the gross airborne activity (less noble gases) is in excess of 10 DAC, or if projected exposure in a week will be in excess of 80 DAC-hours for isotopic mix less noble gases. Make preparations for the activation of alternate facilities. Activate these facilities as soon as possible, but not so that they will have an adverse impact on the emergency response.

2.2.4 Assembly Areas Habitability

2.2.4.1 **IF** the results of radiation surveys at the designated areas indicate levels of:

- >5.0 mrem/hr DDE or a projected dose in seven days in excess of 100 mrem DDE, and/or,
- Gross airborne activity (less noble gases) in excess of 0.3 DAC, or projected exposure in seven days in excess of 12 DAC-hours for isotopic mix less noble gases, and/or,
- Gross airborne activity (including noble gases) in excess of 1.0 DAC; or projected exposure in seven days in excess of 40 DAC-hours for isotopic mix including noble gases,

THEN relocate personnel to another assembly area, or if necessary, request initiation of a site evacuation. Personnel, especially declared pregnant workers, minors or those not required to wear personal dosimetry devices within the BVPS Security PROTECTED AREA (e.g., clerical personnel in SOSB), should be relocated from assembly areas within the PROTECTED AREA as soon as possible. Consider potential exposures that would be incurred enroute when considering relocation and implement the action that will result in the lowest exposure.

- 2.2.5 The ROC Coordinator will inform and coordinate with the TSC Radcon Coordinator as to appropriate protective actions for these areas.
- 2.2.6 Any records generated or conducted communications shall be consistent with the BVPS Implementing Procedures, and Radiological Controls Manual procedures.

3.0 DEACTIVATION - See Attachment 6

3.1 Operations Support Center (OSC)

- 3.1.1 The Emergency Director, via the Maintenance Coordinator, will inform the OSC when deactivation shall occur. This decision will be based on plant conditions, monitor readings or accident termination.
- 3.1.2 All records generated during operation shall be forwarded to Emergency Preparedness upon deactivation.
- 3.1.3 Any remaining responsibilities will be transferred to the TSC. Upon deactivation, de-energize and restore emergency equipment and supplies to preactivation conditions.

3.2 Radiological Operations Center (ROC)

- 3.2.1 The Radiological Controls Coordinator, under the direction of the Emergency Director will order the ROC deactivated. The Radiological Operations Center Coordinator will direct these activities.
- 3.2.2 All records generated during operation shall be forwarded to Emergency Preparedness upon deactivation.

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

- 3.2.3 Any remaining responsibilities will be transferred to the TSC. Upon deactivation, de-energize and restore emergency equipment and supplies to preactivation conditions.

F. FINAL CONDITIONS

- 1.0 This procedure shall be terminated upon direction of the Emergency Director. Plant conditions, monitor readings or termination of the accident will help determine when closeout occurs.

G. ATTACHMENTS

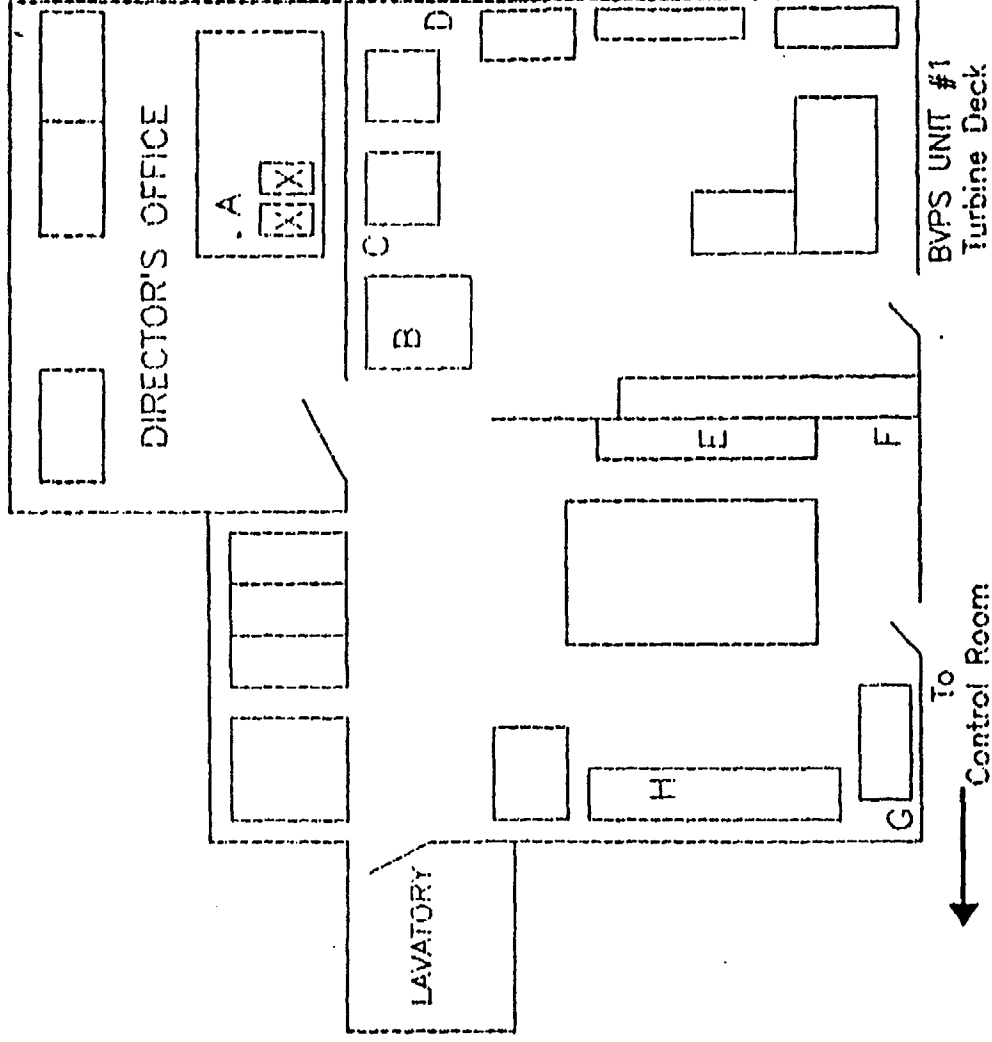
- 1.0 ROC Floor Plan
- 2.0 OSC Floor Plan
- 3.0 OSC Activation Checklist
- 4.0 ROC Activation Checklist
- 5.0 ROC Evacuation Checklist
- 6.0 OSC/ROC Deactivation Checklist
- 7.0 Checklist for Radiological Operations Updates

EPP/Implementing Procedure
 EMERGENCY SUPPORT CENTERS (OSC & ROC)
 ACTIVATION, OPERATION AND DEACTIVATION

EPP/IP 1.5

ATTACHMENT 1 (1 of 1)

ROC Floor Plan
 (735' Unit #1)



ROC FLOOR PLAN

- A. Ringdown phone and NRC HPN phone
- B. Midas Terminal
- C. Survey Data Status Board
- D. Plant/Site Maps
- E. OPS Status Board
- F. OPS Headset Circuit
- G. RMS Headset Circuit
- H. RMS/DRMS Status Board

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

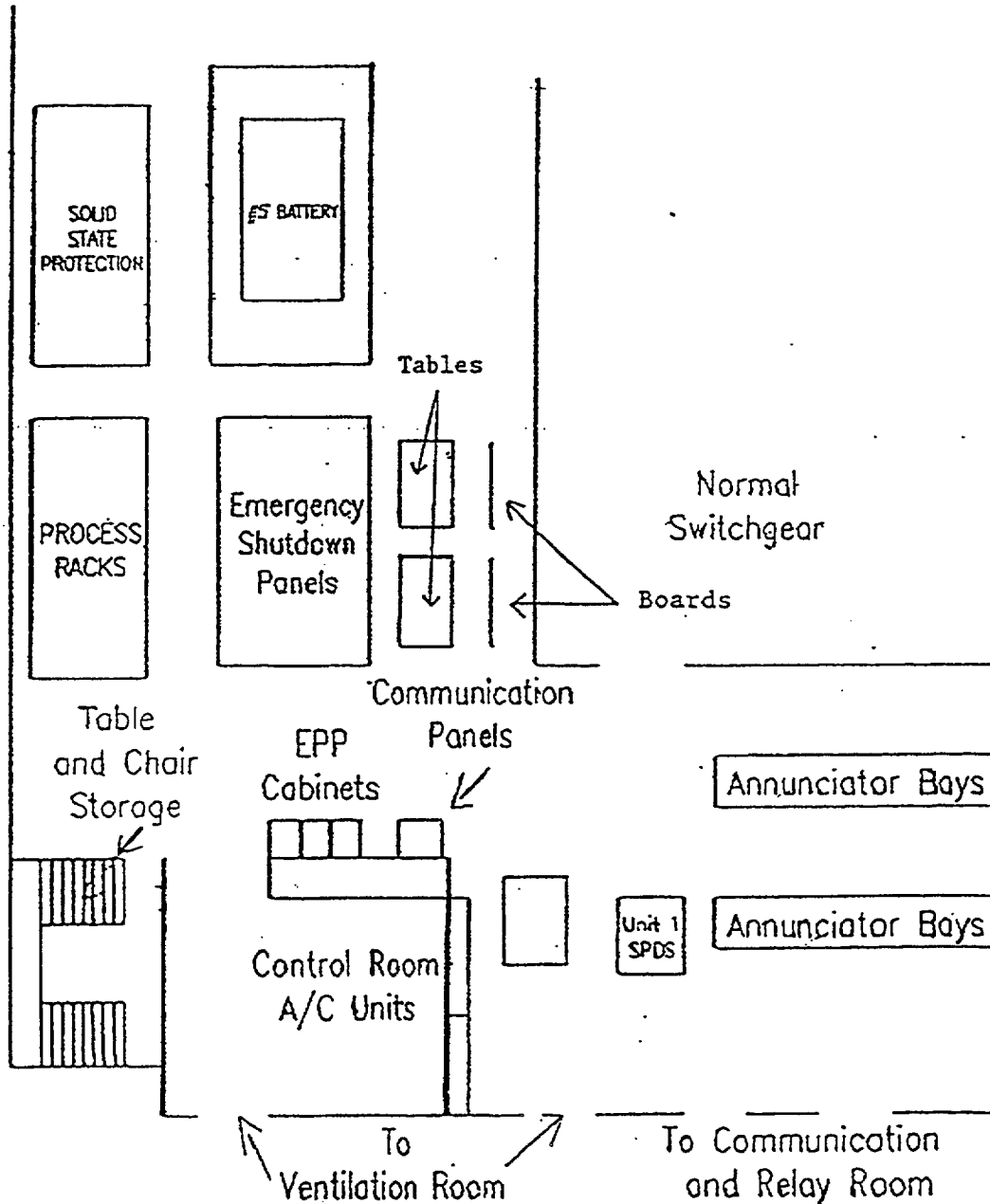
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**EPP/Implementing Procedure
 EMERGENCY SUPPORT CENTERS (OSC & ROC)
 ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

ATTACHMENT 2 (1 of 1)

OSC Floor Plan
(692' Unit #1)



**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

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ATTACHMENT 3 (1 of 1)

OSC ACTIVATION CHECKLIST

(Use of this form is recommended, but not required)

1. Assemble available (or needed) Maintenance personnel in OSC
(Relocate a FAX machine to the OSC) _____
2. Assess manpower needs - request callouts, if necessary. _____
3. Ensure all facility personnel have been verified to meet Fitness For Duty
requirements. _____
4. Determine current ongoing in-plant Maintenance/Operations activities. _____
5. Assign personnel to begin maintaining status boards. _____
6. Assign communicators and give log books to communicators.
Establish communications on Ops and RadCon circuits. _____
7. Inform ED and Maintenance Coordinator that OSC is activated. _____
8. Brief OSC personnel on plant status. _____
9. Have Ops and RadCon circuit communicators announce the
activation of the OSC and name of the appointed coordinator. _____
10. Begin Security Accountability Form. _____
11. Conduct periodic briefing to update OSC personnel on plant status. _____
12. Ask Maintenance Coordinator for available damage assessment
data and maintenance priorities. Maintain priority status board. _____

OSC activated at _____ (Time) _____ (Date)

Event: _____

Coordinator: _____

NOTE:

Remind Control Room personnel to send excess Operations personnel to the OSC for further assignments and dispatching.

**EPP/Implementing Procedure
EMERGENCY SUPPORT CENTERS (OSC & ROC)
ACTIVATION, OPERATION AND DEACTIVATION**

EPP/IP 1.5

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ROC ACTIVATION CHECKLIST

NOTE:

Use of this checklist is recommended, but not required. At the discretion of the ROC Coordinator, not all items may be immediately necessary.

	<u>Init. / Time</u>
1. Assemble available personnel. Have those RT's not immediately utilized, report to a standby area.	/
2. Notify ERF for emergency service. Start CAM, set-up friskers, etc.	/
3. Assess manpower needs. Make phone calls. Contact the appropriate Supervisor, Rad Operations (SRO). Contact Communications and Records Coordinator for assistance, if necessary.	/
4. Ensure all facility personnel have been verified to meet Fitness For Duty requirements.	/
5. Determine current ongoing Radiological Controlled Area activities being conducted by Maintenance/Operations.	/
6. Brief ROC personnel	/
7. Activate ROC and make announcement over circuits	/
8. Set-up communications with personnel monitoring (D)RMS.	/
9. Verify operability of (D)RMS and ARERAS.	/
10. Obtain relevant baseline Rad monitor data. Mark on status board. Update approximately every 15 minutes.	/
11. Obtain weather conditions	/
12. Set-up Ops. and Radcon Circuit communications.	/
13. Set-up walkie-talkie system.	/

ATTACHMENT 4 (2 of 2)

ROC ACTIVATION CHECKLIST

	<u>Init. / Time</u>
14. Begin Security Accountability Form.	<u> / </u>
15. Ready emergency RWPs and REOPs, as applicable.	<u> / </u>
16. Begin habitability checks.	<u> / </u>
17. Ready emergency instruments (source check RO-7's).	<u> / </u>

EVENT: _____

ROC Activated (Date & Time: _____
(Notify Emergency Director)

ATTACHMENT 5 (1 of 1)

ROC EVACUATION CHECKLIST

(Use of this form is recommended, but not required)

The following checklist provides suggestions of things to be done in the event that emergency personnel must evacuate the Radiological Operations Center. They need not be performed in the exact sequence shown, and are subject to the discretion of the ROC Coordinator. Please initial those steps which were completed.

Initials

1. Inform Emergency Director of your intent to evacuate. Note to him the area to which you are relocating (i.e., OSC, SOSB 2nd Floor, etc.). _____
2. Inform other RadCon personnel (monitoring teams, ERF personnel, etc.) of intended evacuation and area relocating to. _____
3. Collect and transport the following items:
 - a.) Emergency dosimetry _____
 - b.) Emergency Instruments (RO-7, RO-2A, E-140N) _____
 - c.) Dose projection materials _____
 - d.) All REOPs and attachments _____
 - e.) EPP/IPs _____
 - f.) ROC exposure book _____
 - g.) Emergency keys _____
 - h.) RadCon walkie-talkies _____
 - i.) Emergency headsets _____
 - j.) KI Tablets _____
 - k.) Silver zeolite cartridges _____
 - l.) All logs and paperwork generated up to this point in time _____

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ATTACHMENT 6 (1 of 1)

OSC/ROC COORDINATOR DE-ACTIVATION CHECKLIST

(Use of this list is recommended, but not required.)

1. Notify TSC/Ops/ROC (OSC) that OSC (ROC) is de-activated. _____
2. Sign/date and review OSC (ROC) log - add additional details from status board(s), as required. _____
3. OSC - collect all "OSC/EPP" assignment sheets and communicator logs. _____

or

ROC - collect all appropriate event records to include (but not limited to) ASRs, surveys, emergency RWPs, isotopic analysis results, etc. _____
Transmit records per instructions of step 3.1.2 or 3.2.2 of this procedure. _____

4. Clean status board/de-prep area. _____
5. Disconnect PAX and/or headset communications equipment. _____
6. Return equipment to cabinets - OSC lock cabinets and return the key to Control Room. _____

OSC/ROC de-activated at _____ (Time) _____ (Date)

Event: _____ / Unit: _____

Coordinator: _____

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ATTACHMENT 7 (1 of 1)

CHECKLIST FOR RADIOLOGICAL OPERATIONS UPDATES

DATE: _____

TIME:

ROC Coordinator or Designee: _____

- ROC Personnel On-Site Teams U2 HCA U1 HCA

Emergency Classification:

- Unusual Event
 Alert
 Site Area
 General Emergency

Release Data:

- Release in Progress
 No Release
 Airborne Release
 Liquid Release

Release Point: _____

Release Rad Monitor: _____

Current Wind Direction: _____

Affected Areas: _____

In-Plant Affected Areas:

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ENVIRONMENTAL ASSESSMENT
AND
DOSE PROJECTION

CONTROLLING PROCEDURE

APPROVAL PAGE

Intent Related Revision ___ Yes X No

IF YES

OSC and Site Approval

OSC Meeting Number _____ Date _____

Reviewed _____
Manager, Emergency Preparedness Date

Approved _____
Director, Plant Services Date

IF NO

Reviewed Susan L. Vicinie _____
Manager, Emergency Preparedness Date 4-20-01

Approved Mark R. Ream _____
Director, Plant Services Date 4/20/01

CONTROLLED
BVPS UNIT 3

EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-12-87
Issue 9 Rev.	0	Non-Intent Revision	10-9-90
	1	OSC Approved	4-4-91
	2	Non-Intent Revision	10-11-91
	3	Non-Intent Revision	12-29-92
	4	OSC Approved	1-27-93
Rev.	5	Non-Intent Revision	1-1-94
Rev.	6	Non-Intent Revision	10-7-94
Rev.	7	Non-Intent Revision	5-26-95
Rev.	8	Non-Intent Revision	1-29-97
Rev.	9	OSC Approved	10-15-97
Rev.	10	OSC Approved	7-1-98
Rev.	11	Non-Intent Revision	12-31-99
Rev.	12	Non-Intent Revision	01-23-01
Rev.	13	Non-Intent Revision	05-01-01

TABLE OF CONTENTS

- A. Purpose
- B. Responsibilities
- C. Action Levels/Precautions
- D. Procedure
- E. Final Condition
- F. References
- G. Attachments

**EPP/Implementing Procedure
ENVIRONMENTAL ASSESSMENT AND DOSE PROJECTION
CONTROLLING PROCEDURE**

**EPP/IP 2.6
A5.715ED**

A. PURPOSE

This procedure provides instructions to Environmental Assessment and Dose Projection (EA & DP) personnel for the performance of emergency response tasks associated with the EA & DP function. This controlling procedure is the entry point of all other EPP/IP's related to EA & DP functions.

B. RESPONSIBILITIES

Steps 1 through 7 of this procedure shall be performed by the Shift Radiation Technician designated to perform EA & DP activities in the event of an emergency.

The responsibility for performance of these functions shall transfer to the EA & DP team located in the EOF once applicable prerequisites (e.g., personnel staffing, equipment and communications capability, etc.) are met. This transfer of responsibility may occur prior to activation of the TSC/EOF.

C. ACTION LEVELS/PRECAUTIONS

1.0 This procedure shall be performed whenever the following action levels are present.

1.1 An abnormal radioactivity release has occurred and the results of assessments performed in accordance with HPM RP 6.12, RP-6.12a (EAGER), EPP/IP 2.7, or EPP/IP 2.7.1 (ALIAS) indicate that the release has exceeded 200 times Technical Specification/Offsite Dose Calculation Manual limits (i.e., an Alert emergency),

- OR -

1.2 An Unusual Event emergency has been declared AND an UNPLANNED RELEASE to the environment has occurred, is ongoing, or is imminent, (See Attachment 4)

- OR -

1.3 An Alert, or higher classification, emergency has been declared and TSC/EOF activation has been initiated,

- OR -

1.4 As requested by the Emergency Director or Emergency/Recovery Manager.

2.0 PRECAUTIONS

2.1 Use caution when reporting radioactivity releases, or the termination of such releases, to offsite agencies or other emergency response organizations. Generally, PLANNED RELEASES are NOT reported. See Attachment 4.

3.0 PREREQUISITES

None

D. PROCEDURE

NOTE:

In the event of a release of radioactive material, FirstEnergy Corporate Communications personnel will confirm the information of an UNPLANNED radioactive release with Health Physics (for an Unusual Event) or EA&DP personnel (for Alert or higher) as defined in Attachment 4.

NOTE:

Shift Radiation Technicians perform Steps 1 through 7. EA & DP personnel enter this procedure in Step 8.

**EPP/Implementing Procedure
ENVIRONMENTAL ASSESSMENT AND DOSE PROJECTION
CONTROLLING PROCEDURE**

**EPP/IP 2.6
A5.715ED**

- 1.0 OBTAIN DOSE PROJECTION WORKSHEET BOOK FROM THE ROC AND PROCEED TO CONTROL ROOM OF AFFECTED UNIT TO OBTAIN DIRECTION AND SUPPORTING DATA FROM NSS.
- 2.0 DETERMINE THE TYPE OF RADIOACTIVITY RELEASE.
 - 2.1 IF an UNPLANNED liquid release, proceed to Step 3.
 - 2.2 IF an UNPLANNED airborne release, proceed to Step 4.
- 3.0 ASSESS LIQUID RELEASE. REPORT RESULTS TO NSS.
 - 3.1 IF ARERAS is available, AND the release was monitored or sample data are available, assess the release using ALIAS as described in EPP/IP 2.7.1.

NOTE:

IF the liquid release was unmonitored, a release rate may be estimated using the guidance of Attachments 6 or 11 of EPP/IP 2.7, and entered into the ALIAS code as described in EPP/IP 2.7.1.

- 3.2 IF ARERAS is NOT available, perform EPP/IP 2.7.

NOTE:

Information regarding a Protective Action Recommendation due to a radioactive liquid release is located in EPP/IP 4.1.

- 3.3 Proceed to FINAL CONDITIONS.
- 4.0 PERFORM NEEDED RADIOLOGICAL ASSESSMENT, BASED ON THE CURRENT EMERGENCY CLASSIFICATION AND REPORT TO THE NSS.
 - 4.1 IF any of the following conditions are TRUE, proceed to Step 5.
 - 4.1.1 Alert, Site Area, of General Emergency has been declared.

- 4.1.2 Radioactivity release has NOT started, or is unmonitored.
 - 4.1.3 Radiation monitor reading exceeds EAL INDICATOR for Site Area or General Emergency.
 - 4.2 IF ARERAS is available, assess the release using EAGER as described in HPM RP-6.12A.
 - 4.3 IF ARERAS is NOT available, perform HPM RP-6.12.
 - 4.4 IF the results indicated that an Alert Emergency has occurred, proceed to Step 5.
 - 4.5 Proceed to FINAL CONDITIONS.
- 5.0 ASSESS OFFSITE DOSES FOR AIRBORNE RELEASE. REPORT RESULTS TO NSS.

NOTE:

The dose assessment method selection steps below are illustrated on Attachment 3. Once the method is selected and performed, proceed to Step 6.

- 5.1 IF ARERAS is available, perform the specified procedure(s) and return to Step 6.
 - 5.1.1 IF meteorological data are NOT available, perform EPP/IP 2.6.5 and THEN perform EPP/IP 2.6.4 (manual entry of Met and Rad).
 - 5.1.2 IF the release is unmonitored OR has NOT started, perform EPP/IP 2.6.2 (FSAR default case).

5.1.3 IF the release is monitored AND ongoing:

NOTE:

The intent of using GETRAD is to ensure that the current 15 minute average data represents the current release rate. IF the release started midway during an averaging period, the average for that period would underestimate the release.

- 5.1.3.1 Call up a display of the current radiation monitor data using the GETRAD task ("GR" from MIDAS menu).
 - 5.1.3.2 Note the differences between the instantaneous readings and the average readings.
 - 5.1.3.3 IF the average readings are comparable to the instantaneous readings, perform EPP/IP 2.6.3 (Real Time Inputs).
 - 5.1.3.4 IF the average readings are significantly less than the instantaneous values, perform EPP/IP 2.6.4 (Manual entry of Met and Rad).
- 5.1.4 IF the release has already been terminated, perform EPP/IP 2.6.4 (Manual entry of Met and Rad).
- 5.2 IF ARERAS is NOT available, perform the specified procedure(s) and return to Step 6.
- 5.2.1 IF meteorological data are NOT available, perform EPP/IP 2.6.5 and return to the next Step (5.2.2).
 - 5.2.2 IF the release is unmonitored OR has NOT started, perform EPP/IP 2.6.2 (FSAR default case).
 - 5.2.3 IF the release is (was) monitored, perform EPP/IP 2.6.1 (monitored worksheet).

- 6.0 PERFORM OTHER ASSESSMENTS AS REQUESTED BY NSS.
- 7.0 TURNOVER ASSESSMENT ROLE TO EA & DP OR PROCEED TO FINAL CONDITIONS.
- 8.0 TSC/EOF EA & DP ENTRY POINT

NOTE:

This procedure is intended to address the significant EA & DP activities associated with a reasonable number of foreseeable emergency response situations. However, an actual situation may take a course different from those envisioned when this procedure was written. This could result in a situation in which the instructions prevent the necessary actions from being performed, or are otherwise inadequate. In these cases, the EA & DP Coordinators shall take reasonable action(s) necessary when immediate action is required to protect the public health and safety and no means of equivalent protection are immediately apparent.

NOTE:

The steps in this procedure should be generally performed in the order written. However, steps may be omitted, performed out-of-sequence, or performed simultaneously, at the discretion of the lead EA & DP Coordinator. As emergency conditions change, it may be necessary to re-perform selected steps. Designated EA & DP personnel have, by virtue of training and experience, sufficient technical knowledge and judgment capabilities to address these situations.

NOTE:

References to the ED/ERM shall be interpreted as follows: (1) Shift NSS IF the TSC is NOT activated; (2) Emergency Director in TSC when activated; and (3) Emergency Recovery Manager in EOF when activated.

**EPP/Implementing Procedure
ENVIRONMENTAL ASSESSMENT AND DOSE PROJECTION
CONTROLLING PROCEDURE**

**EPP/IP 2.6
A5.715ED**

9.0 INITIATE PROCEDURE

9.1 Log start date of procedure: _____

9.2 Log start time of procedure: _____

10.0 PREPARE TO ASSUME ASSESSMENT DUTIES FROM THE ONSHIFT RADIATION TECHNICIAN.

10.1 Obtain key to EA & DP emergency cabinet from the key cabinet located in the TSC or EOF.

10.2 Unlock cabinet and take EA & DP manuals and supplies to the EA & DP area.

10.3 Ensure that as additional EA & DP personnel arrive, they have completed the following:

10.3.1 Donned armbands or badges

10.3.2 Obtained personal dosimetry, if warranted

10.3.3 Checked-in with Security

10.3.4 Placed their names on sign-in board.

10.4 Setup, energize, and determine operability of equipment listed on Attachment 2.

10.5 Via the Radcon circuit, determine whether shift Health Physics personnel are currently in the process of performing a dose assessment.

NOTE:

IF the shift Health Physics personnel indicate that they are currently performing a dose assessment, the lead EA & DP Coordinator shall coordinate the transfer of responsibility from shift personnel to the EA & DP Team so as to prevent delays in completing the projection and/or necessary protective action recommendations, and to minimize repetitive work.

- 10.6 Obtain a briefing from shift Health Physics personnel.
- 10.7 As additional personnel arrive, assign to the positions tabulated on Attachment 1.
- 10.8 As additional EA & DP personnel arrive, brief on the reason for activation, the status of any radioactivity releases, the status of the plant, pending requests for assessments, and the status of any protective action recommendations.
- 10.9 If needed, call out additional EA&DP team members.

11.0 ASSUME DOSE ASSESSMENT DUTIES

NOTE:

IF the EA & DP Team assumes responsibility for dose assessments prior to activation of the TSC, the team operates as an extension of the onshift organization and reports to the NSS, in his role as interim ED/ERM.

- 11.1 If the minimum equipment is available, notify the following that EA & DP has assumed responsibility for dose assessment activities.
 - 11.1.1 Shift RCT Date/Time _____ By _____
 - 11.1.2 ED/ERM Date/Time _____ By _____
 - 11.1.3 ROC Date/Time _____ By _____
 - 11.1.4 TSC RCC Date/Time _____ By _____
- 11.2 IF the minimum required complement of equipment and personnel can NOT be met, take reasonable, timely and appropriate actions to satisfy the unmet needs.

12.0 DETERMINE NEED FOR ASSESSMENT

- 12.1 IF a release of radioactivity is imminent, is in progress, or has occurred, continue with this procedure.

**EPP/Implementing Procedure
ENVIRONMENTAL ASSESSMENT AND DOSE PROJECTION
CONTROLLING PROCEDURE**

**EPP/IP 2.6
A5.715ED**

- 12.2 IF a release has NOT occurred and is NOT imminent, continue to monitor radiological and meteorological data and maintain communications until the TSC/EOF is deactivated, or until the status changes. Reduce EA & DP staffing to minimum complement, placing remaining personnel on a stand-by status.
- 13.0 IF LIQUID RELEASE HAS OCCURRED, ASSESS MAGNITUDE OF RELEASE.
- 13.1 IF ARERAS is available, perform EPP/IP 2.7.1 (ALIAS).
- 13.2 IF ARERAS is NOT available, perform EPP/IP 2.7.
- 13.3 Proceed to Step 16.
- 14.0 IF AIRBORNE RELEASE HAS OCCURRED, ASSESS MAGNITUDE OF RELEASE.
- 14.1 IF a SITE AREA or GENERAL EMERGENCY has been declared, proceed to Step 15.
- 14.2 IF the magnitude of the release is expected to be comparable to an UNUSUAL EVENT or an ALERT, then:
- 14.2.1 IF ARERAS is available, perform HPM RP-6.12A (EAGER).
- 14.2.2 IF ARERAS is NOT available, perform HPM RP-6.12.
- 14.2.3 IF the results from the analysis indicates that the release constituted an UNUSUAL EVENT, proceed to Step 16.
- 15.0 IF IMMINENT, ONGOING, OR TERMINATED AIRBORNE RELEASE GREATER THAN ALERT EAL, PERFORM DOSE ASSESSMENT.

NOTE:

The dose assessment method selection steps below are illustrated on Attachment 3.

- 15.1 IF ARERAS is available, perform the specified procedure(s) and return to Step 16.
 - 15.1.1 IF meteorological data are NOT available, perform EPP/IP 2.6.5 and THEN perform EPP/IP 2.6.4 (manual entry of Met and Rad).
 - 15.1.2 IF isotopic data are available, perform EPP/IP 2.6.4 (manual entry of isotopic data).
 - 15.1.3 IF the release is unmonitored OR has NOT started, perform EPP/IP 2.6.2 (FSAR default case).
 - 15.1.4 IF the release is monitored AND ongoing:

NOTE:

The intent of using GETRAD is to ensure that the current 15 minute average data represents the current release rate. IF the release started midway during an averaging period, the average for that period would underestimate the release.

- 15.1.4.1 Call up a display of the current radiation monitor data using the GETRAD task ("GR" from MIDAS menu).
- 15.1.4.2 Note the differences between the instantaneous readings and the average readings.
- 15.1.4.3 IF the average readings are comparable to the instantaneous readings, perform EPP/IP 2.6.3 (real-time Met and Rad).
- 15.1.4.4 IF the average readings are significantly less than the instantaneous values, perform EPP/IP 2.6.4 (Manual entry of Met and Rad).
- 15.1.5 IF the release has already been terminated, perform EPP/IP 2.6.4 (Manual entry of Met and Rad).

15.2 IF ARERAS is NOT available, perform the specified procedure(s) and return to Step 16.

15.2.1 IF meteorological data are NOT available, perform EPP/IP 2.6.5 and return to the next Step (15.2.2).

15.2.2 IF isotopic data are available, perform EPP/IP 2.6.6.

15.2.3 IF the release is unmonitored OR has NOT started, perform EPP/IP 2.6.1 (FSAR default case).

15.2.4 IF the release is (was) monitored, perform EPP/IP 2.6.1 (monitored worksheet).

16.0 DETERMINE NEED FOR EMERGENCY CLASSIFICATION CHANGE.

16.1 Compare the results of assessments against EPP/I-1.

16.2 IF warranted, recommend classification escalation to ED/ERM.

Class: _____ Date/Time: _____ By: _____

Class: _____ Date/Time: _____ By: _____

17.0 DETERMINE PROTECTIVE ACTION RECOMMENDATIONS (PAR).

17.1 Compare the results of the dose assessments against the criteria of EPP/IP 4.1.

17.2 Establish affected area(s) and initial PAR as provided in EPP/IP 4.1.

PAR: _____

Rational: _____

Lead EA & DP Coordinator: _____ Date/Time: _____

NOTE:

The PAR provided by the EA & DP team shall be based on the results of dose assessments. The TSC provides a PAR based on plant condition. Nonetheless, it is appropriate for the EA & DP Coordinator(s) to participate in joint PAR discussions and to factor this discussion into the PAR developed by EA & DP.

- 17.3 Notify the ED/ERM of the necessary protective action.
- 18.0 DETERMINE THE NEED FOR AND IMPLEMENT, AS NECESSARY, ONSITE AND OFFSITE MONITORING.
 - 18.1 Compare the results of assessments, plant status and prognosis, and effluent monitor readings against the ACTION LEVELS of EPP/IP 2.1.
 - 18.2 IF required, implement onsite and offsite monitoring as specified in EPP/IP 2.1.
- 19.0 REQUEST SAMPLING AND ISOTOPIC ANALYSIS.
 - 19.1 IF the release is ongoing, issue a request to the TSC for sampling and isotopic analysis of release streams.
 - 19.2 IF the release has been terminated or is imminent, issue a request to the TSC for analysis data for the release source (e.g., RCS, SGTR, containment air, etc.).
 - 19.2.1 IF analysis data are not available, request sampling and isotopic analysis of the release source.
- 20.0 COMMUNICATE ASSESSMENT RESULTS WITH OFFSITE AGENCIES.

NOTE:

The communications addressed in this step supplement, rather than replace, the notifications made by the Communications and Records Coordinators. While the Follow-up Notifications Form in EPP/IP 1.1 should be used as a guide, the content of the communications may be tailored for the most efficient and accurate relay of data meeting the needs of the event.

NOTE:

When providing information to State representatives present in the EOF, ensure that they will be relaying the information back to their respective agencies. This precaution is particularly important with regard to messages related to start or stop of a release, or classification escalations.

NOTE:

Use Caution when reporting radioactivity releases, or the termination of such releases, to offsite agencies or other emergency response organizations. Generally, PLANNED RELEASES are NOT reported. See Attachment 4.

- 20.1 Gather additional assessment data for relay. Information should include, as appropriate:
 - 20.1.1 Start and stop times of releases.
 - 20.1.2 Bases and results of significant dose assessments.
 - 20.1.3 Field monitoring results.
 - 20.1.4 Emergency classification and reason.
 - 20.1.5 Release stream data.
 - 20.1.6 Incident history, current status, prognosis.
 - 20.1.7 Meteorological data, including forecasts.
 - 20.1.8 Current EA & DP actions.
- 20.2 Relay the information to the following agencies, either by telephone or by face-to-face communications in the EOF:

NOTE:

Current agency phone numbers can be found in EPP/IP 1.1, Attachment 2.

- 20.2.1 DEP/Bureau of Radiation Protection, PA
- 20.2.2 Ohio Department of Health, OH
- 20.2.3 West Virginia Department of Health, WV
- 20.3 Log all communications in the EA & DP logbook. Include date, time, person contacted, in the log entries.
- 20.4 Continue communications for the duration of the response, reporting all significant changes in the data tabulated in steps 20.1.1-20.1.8.
 - 20.4.1 Communications shall be made, at a minimum, every 30-40 minutes, regardless of the change in status. This frequency may be reduced as conditions stabilize.
- 21.0 IF REQUESTED BY THE NRC, ESTABLISH HPN COMMUNICATION LINK.

NOTE:

Although EPP/IP 1.4 provides NRC notification forms, these forms are intended to be illustrative, rather than mandatory. All communications on the HPN are initiated by the NRC. EA & DP provides data only upon specific request.

- 21.1 IF requested by the NRC, perform the following:
 - 21.1.1 Assign an EA & DP Coordinator to man the HPN link.
 - 21.1.2 Implement the NRC/BVPS Technical Information Flow Attachment of EPP/IP 1.4
 - 21.1.3 Maintain the link open until directed otherwise by the NRC.
- 22.0 (STEP RESERVED)
- 23.0 OBTAIN METEOROLOGICAL FORECAST.
 - 23.1 Call the GPIA National Weather Service Forecast office. (See EPP/IP 1.1, Attachment 2 for telephone number).

23.2 Request a forecast for the next 24 hours.

Date/Time: _____ Forecast: _____

24.0 COMPARE DOSE ASSESSMENTS WITH FIELD MONITORING DATA.

24.1 IF field monitoring data are not available, bypass this step and return when data are available.

24.2 Compare the results from dose projections with the results obtained by the field monitoring teams.

NOTE:

Differences are expected between dose assessments and field monitoring data due to uncertainties in the dose assessment process. However, large differences should be evaluated and resolved, particularly if an upgrade in the PAR is indicated. Judgment is required as no reasonable quantitative criteria can be given.

24.3 Resolve any large discrepancies. Consider the following parameters:

24.3.1 Changes in meteorology parameters

24.3.2 Localized weather patterns

24.3.3 Error in source terms

24.3.4 Location of survey location versus plume centerline

24.3.5 Elevated release held aloft

24.4 IF differences between field monitoring and dose assessments indicate a consistent trend, perform EPP/IP 2.6.7.

25.0 EVALUATE NEED FOR GROUND CONTAMINATION ASSESSMENTS.

25.1 IF any of the following conditions exist, perform EPP/IP 2.6.10:

25.1.1 Source of release is a fuel handling accident with rupture of fuel rods AND bypass of SLCRS filter banks.

25.1.2 SGTR with break above the water level, with S/G flooded (to steam lines), or with S/G dry.

25.1.3 Accident sequence results in core uncover and breach or bypass of containment.

25.1.4 Projected noble gas release is sufficient to indicate offsite protective actions.

25.1.5 Field monitoring results indicate that the whole body dose rate at any location offsite (measured at waist height) due to ground contamination exceeds 0.02 millirem/hour (twice normal background).

25.1.6 Field airborne sample analyses indicate iodine concentrations greater than $1.0E-6$ uCi/cc.

26.0 PERFORM CLASS B MODEL ASSESSMENT

26.1 IF EA & DP assessment workload permits AND IF the release is comparable to a General Emergency, perform a "Class B Model, dose projection".

27.0 EVALUATE NEED TO UPGRADE PARS.

NOTE:

The PAR provided by the EA & DP team shall be based on the results of dose assessments. The TSC provides a PAR based on plant condition. Nonetheless, it is appropriate for the EA & DP Coordinator(s) to participate in joint PAR discussions and to factor this discussion into the EA & DP PAR.

- 27.1 Compare the results of the dose assessments, field monitoring results, and ground contamination assessments, as applicable, against the criteria of EPP/IP 4.1 and EPP/IP 2.6.10.

- 27.2 If a projected dose based on **field measurement** data is determined to be greater than 1 REM TEDE or 5 REM CDE at 10 miles, or beyond, do the following:
 - 27.2.1 Consult with NRC, DOE (as available) and appropriate State dose assessment personnel to determine if their models obtain similar dose projections.

 - 27.2.2 Review the dose projections with State personnel.

 - 27.2.3 If necessary, the evacuation area should be expanded in 5 mile increments such that the EPA PAG's are not expected to be exceeded outside the recommended radius (e.g., if PAG's are expected to be reached at 17 miles, the PAR would include 20 miles).

- 27.3 Identify those areas for which a PAR was not made, or for which the PAR does not provide an adequate level of protection.

Upgraded PAR: _____

Rational: _____

Lead EA & DP Coordinator: _____ Date/Time: _____

Upgraded PAR: _____

Lead EA & DP Coordinator: _____ Date/Time: _____

- 27.4 Notify the ED/ERM of the necessary upgraded protective action.
- 28.0 IDENTIFY THE NEED FOR ONSITE PERSONNEL PARS.
 - 28.1 Compare dose assessment results against Habitability criteria for emergency facilities and Assembly Areas in EPP/IP 1.5.
 - 28.1.1 Notify the Radiological Controls Coordinator (RCC) in the TSC of the results.
 - 28.1.2 Discuss with the RCC, the need for onsite protective actions.
- 29.0 PARTICIPATE IN BRIEFINGS CALLED BY ED/ERM.
 - 29.1 When requested by ED/ERM, provide briefings to the TSC or EOF. Include the following in briefings:
 - 29.1.1 Status of, or potential for, releases.
 - 29.1.2 Results of significant dose assessments.
 - 29.1.3 Field monitoring results.
 - 29.1.4 Meteorological data, including forecasts.
 - 29.1.5 Current and future EA & DP activities.
 - 29.1.6 Unmet needs (e.g., equipment, data, personnel).
 - 29.2 Remain alert to briefings and announcements made by others for possible impact to EA & DP activities.
- 30.0 MAINTAIN STATUS BOARDS AND LOGS.
 - 30.1 The Radcon circuit/dose assessor should continuously monitor the Radcon Circuit and log all reports significant to the EA & DP functions.
 - 30.2 As MET and dose assessment data become available, or are updated, post in the designated location.

31.0 PROVIDE LIAISON TO FEDERAL RADIOLOGICAL MONITORING AND ASSESSMENT CENTER (FRMAC).

31.1 IF a General Emergency has been declared AND the FRMAC has been established:

31.1.1 Request that the ED/ERM discuss, with the NRC's Director of Site Operations, the placement of an EA & DP liaison at the FRMAC.

31.1.2 IF the EA & DP liaison has been placed:

31.1.2.1 Include the liaison in all communications required by Step 20.

31.1.2.2 Keep the liaison briefed with regard to EA & DP action, ongoing and planned.

31.1.2.3 Request that the liaison report significant actions and significant assessment results obtained by other groups represented at the FRMAC, (e.g., EPA, NRC, DER/BRP, etc.).

31.1.2.4 Direct the liaison to remain alert for the possibility for coordinating BVPS monitoring activities with those of other agencies and, if feasible, to serve as the link between the Monitoring Team Coordinator at the ERF and the FRMAC.

32.0 ESTABLISH SHIFT ORGANIZATION

NOTE:

The lead EA & DP Coordinator must remain alert of the potential for a long term response, and when such a response is likely, to make provisions for around-the-clock coverage. This will generally mean that the EA & DP Coordinator should start to reduce the number of EA & DP personnel as soon as possible once the response is underway and when the incident prognosis provides a time window for doing so.

- 32.1 In conjunction with the Support Services Manager, develop a shift schedule for EA & DP personnel. Ensure adequate experience level and minimum complement on each shift.
- 32.2 In conjunction with the ROC, develop shift rotation schedules for field monitoring teams.

33.0 PERFORM TURNOVER

- 33.1 At the end of each shift in a longer term response:
 - 33.1.1 Each person in the EA & DP team shall brief their oncoming relief with the following information, as appropriate:
 - 33.1.1.1 Status of, or potential for, releases.
 - 33.1.1.2 Results of any significant dose assessments performed during the shift.
 - 33.1.1.3 Significant field monitoring results obtained during the shift.
 - 33.1.1.4 Current meteorological data and forecasts, and a summary of meteorological data during shift.
 - 33.1.1.5 Significant EA & DP actions during the shift.
 - 33.1.1.6 Any plant evolutions planned for the oncoming shift that may require EA & DP response.

33.1.1.7 Any unmet needs (e.g., equipment, data, personnel).

33.1.1.8 Any other special instructions deemed applicable.

33.1.2 The oncoming Monitoring Team Coordinator shall ensure that the monitoring teams have been relieved and shall provide an initial briefing to the oncoming monitoring teams.

33.1.3 The lead EA & DP Coordinator shall notify the State liaisons present in the ERF of the shift change.

33.1.4 The lead EA & DP Coordinator shall report completion of turnover activities to the ED/ERM.

34.0 RE-EVALUATE NEED FOR BVPS FIELD MONITORING TEAMS.

NOTE:

The primary objective of the deployment of the BVPS Field Monitoring Teams is to obtain data that support the PAR decision process during that period prior to deployment of State and Federal Monitoring Teams. Once State and Federal monitoring teams and resources are deployed, the objective of the BVPS Monitoring Teams is to gather sufficient data for use in performing post-incident consequence assessments.

34.1 IF radioactivity releases have been terminated AND the plume has cleared the plume exposure EPZ (10 miles) AND the potential for additional releases exceeding technical specifications is low:

34.1.1 Evaluate whether or not the field monitoring data collected are adequate to meet the objectives of field monitoring specified above.

34.1.2 Discuss with the ED/ERM the justification for ceasing BVPS field monitoring.

34.1.3 Discuss with the State liaisons, and with the NRC Director of Site Operations, if present, the proposed termination of BVPS field monitoring activities.

34.1.4 If all parties are in agreement:

34.1.4.1 Direct the Field Monitoring Teams to return to the Site.

34.1.4.2 Relieve EA & DP team members associated with monitoring team activities (i.e., Monitoring Team Coordinator, radio operator, data taker).

35.0 ESTABLISH EMERGENCY ENVIRONMENTAL PROGRAM

35.1 **IF** there has been a release of radioactivity exceeding Alert Emergency EAL levels AND if the plant condition has been stabilized:

35.1.1 Arrange for the designated Environmental Coordinator(s) to be relieved from their EA & DP assignments.

35.1.2 Direct these individuals to establish and implement an environmental monitoring plan.

NOTE:

Pending personnel availability, the Environmental Coordinator should assume the role of FRMAC liaison as the emergency response shifts from response phase to recovery/assessment phase.

35.1.3 Notify the ED/ERM that the organization change has taken place.

36.0 ASSESS DOSE BASED ON ENVIRONMENTAL SAMPLES

36.1 As deemed appropriate or necessary, implement EPP/IP 2.6.8.

37.0 PERFORM DOSE INTEGRATION

NOTE:

Dose Integration is not considered to be an emergency response activity, and will likely not be performed until much later during the recovery phase.

37.1 IF there has been a release of radioactivity exceeding Alert Emergency EAL levels and releases have been terminated AND the potential for subsequent releases are small:

37.1.1 Gather data relevant to the release (e.g., source term, duration, start and stop, flow rate, etc.).

37.2 IF ARERAS is available, request Effluent Controls personnel prepare for and perform an analysis of the release consequences using:

NOTE:

It would be appropriate to modify the site adaptation database for the following codes to place emphasis on receptors within the plume footprint. Since this may be time consuming, initial evaluations should be population, rather than individual receptor, assessments.

37.2.1 GASPRI/GASPRO for gaseous releases.

37.2.2 DOSLI for liquid releases.

37.3 IF ARERAS is NOT available, request Effluent Controls personnel perform an assessment using the ODCM methodology.

37.4 IF, in the judgment of the lead EA & DP Coordinator and the Environmental Coordinator, the results of environmental samples indicates a potential underestimation of dose by GASPRI/GASPRO/DOSLI, implement EPP/IP 2.6.8 and EPP/IP 2.6.9.

38.0 DEACTIVATE THE EA & DP TEAM

NOTE:

In any emergency response involving a significant radioactivity release, EA & DP functions may be performed over several days or weeks. In these cases, the EA & DP Team may be reduced in size as necessary functions come to closure, and when it is determined that no discrete de-activation may occur.

38.1 IF the ED/ERM has terminated the emergency, proceed to FINAL CONDITIONS.

E. FINAL CONDITIONS

- 1.0 All EA & DP equipment/material has been returned to the emergency cabinets.
- 2.0 All worksheets, logs, completed procedures, etc., have been forwarded to the Communications and Records Coordinator.
- 3.0 Corrective actions have been initiated for failed equipment.
- 4.0 Procedure Complete:
 - 4.1 Lead EA & DP Coordinator: _____
 - 4.2 Date: _____
 - 4.3 Time: _____

F. REFERENCES

- 1.0 Unit 1 Technical Specification Amendment 205.
- 2.0 Unit 2 Technical Specification Amendment 101.

G. ATTACHMENTS

- 1.0 EA & DP Team Members
- 2.0 EA & DP Equipment Checklist
- 3.0 Assessment Method Selection Chart
- 4.0 Determination of Radioactivity Releases During Emergencies

ATTACHMENT 1 (1 of 2)

EA & DP TEAM MEMBERS

NOTE:

Functional positions are filled as needed and with the protection of public health and safety the foremost consideration. As personnel arrive during the first two hours of an event, those functions which most directly support the ED/ERM in making PAR decisions will receive priority. Minimum resources include a qualified individual have access to plant conditions/radiological data, the means to estimate off-site radiation dose and a communications link to the ED/ERM. Other functional positions listed are filled (or performed) as additional EA & DP personnel arrive (or as able) without interfering with PAR support.

Radcon Circuit/Dose Assessor _____

Normally filled by the first EA & DP individual arriving in the EOF. If a designated Coordinator, he/she should be relieved by the first arriving Assistant. *Primary function: Monitor plant radiological conditions, perform dose assessment. Assist ED/ERM in PAR decision until a Lead Coordinator is available.*

Lead Coordinator _____

Normally filled upon arrival of the second EA & DP individual. This position will be filled by the designated Coordinator after being relieved of Radcon Circuit/Dose Assessor duty (if he/she was the first to arrive), or upon his/her arrival (if an assistant arrived first and is performing Radcon Circuit/Dose Assessor duty.) *Primary function: Assist ED/ERM in PAR decision and coordinate EA & DP team efforts.*

Monitoring Team Coordinator _____

This function is normally taken from the Control room by the third arriving individual. This position is necessary only if off-site monitoring teams are dispatched in accordance with EPP/IP 2.1, "Emergency Radiological Monitoring". *Primary function: Direct and advise the off-site monitoring teams and provide results to the Coordinator for use in PAR advisement.*

ATTACHMENT 1 (2 of 2)

EA & DP TEAM MEMBERS

EA & DP Communicator _____

Normally filled by the fourth arriving individual. *Primary Function: Communicate with other on-site and off-site organizations. This individual may also man the Emergency Telephone System phones for contacting the NRC/HLPN if requested by the NRC.*

Other individuals from the EA & DP organization may be contacted and requested to report to the EOF, as deemed necessary by the Lead Coordinator. The Lead Coordinator should ensure that an adequate number of personnel are available for relief should emergency conditions exist for an extended period.

ATTACHMENT 2 (1 of 2)

EA & DP EQUIPMENT CHECKLIST

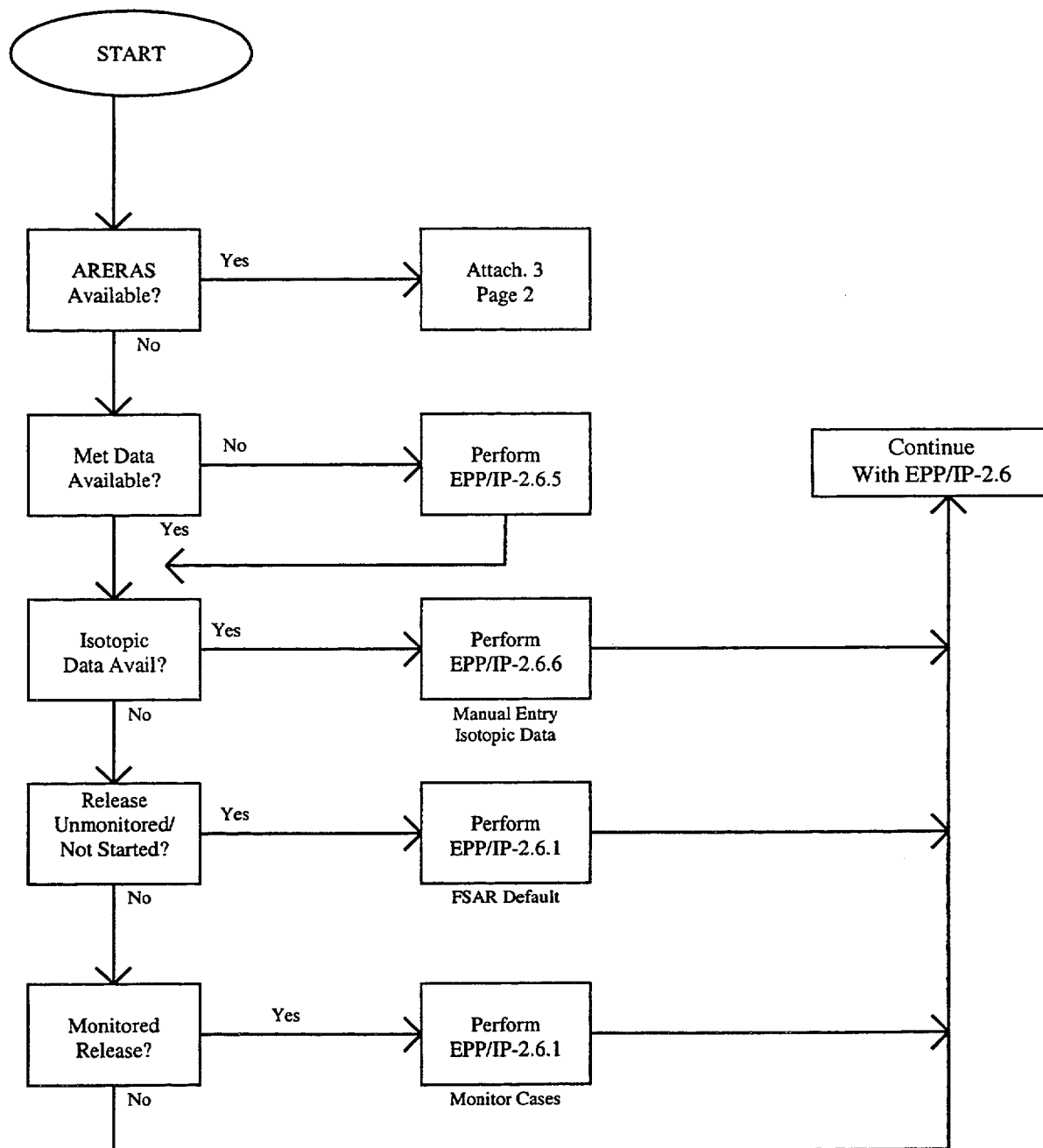
- * 1. _____ Radcon Circuit
 - 1.1 Operable IF communication check (at minimum to the Control Room) is ok.
- * 2. _____ Hand calculators (at least 1)
- * 3. _____ Copy of EPP and EPP/IP's
- * 4. _____ Binders of blank EA & DP Forms
- 5. _____ At least one PAX line with outside dialing.
 - 5.1 Operable IF dial-tone available after pressing "9".
- 6. _____ Ring-down phone to ROC
 - 6.1 Operable if communications (with at least the ROC) is available.
- (1) 7. _____ ARERAS capable computer
 - 7.1 Energize computer login to EADP.
 - 7.2 Operability is ability to login.
 - 7.3 Notify ARERAS System Manager if inoperable.
- 8. _____ ARERAS Printer
 - 8.1 Energize printer.
 - 8.2 Operability is ability to provide readable copies of computer screen.
 - 8.3 Notify ARERAS System Manager if inoperable.
- (2) 9. _____ Industrial Radio
 - 9.1 Energize and place into PL3.
 - 9.2 Verify operability during radio checks with Field Monitoring Teams.

ATTACHMENT 2 (2 of 2)

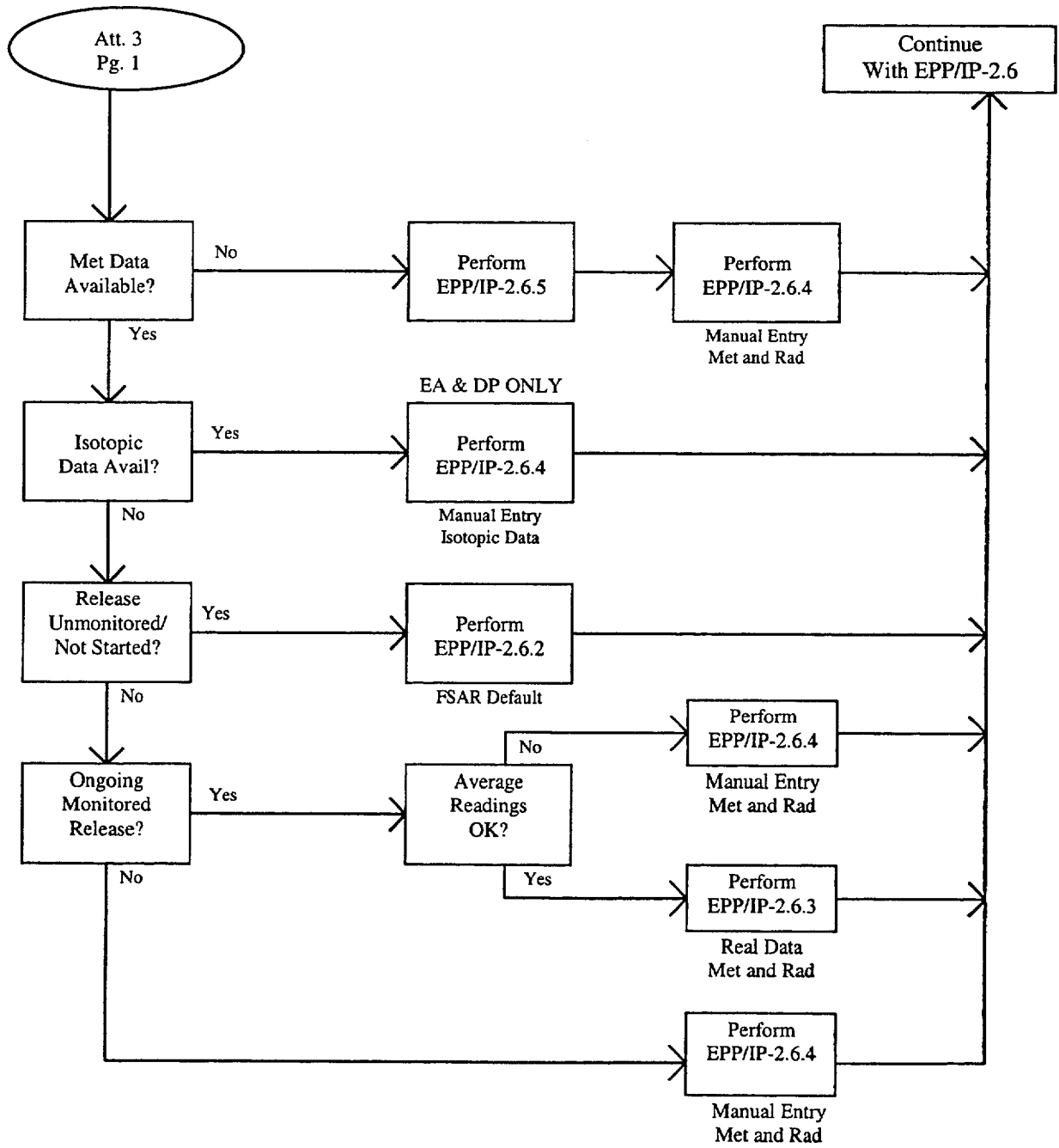
EA & DP EQUIPMENT CHECKLIST

10. _____ NRC HPN Phone
- 10.1 Install headset on phone.
 - 10.2 Operable IF dial-tone available.
 - 10.3 Leave phone on-hook until activation is requested by NRC (Step 21).
11. _____ Miscellaneous office supplies
- * = Minimum Required
- (1) = If the Control Room radiation technician has an operable ARERAS capable computer AND there is no operable computer in the EOF, the technician should perform all dose projections with EA&DP guidance.
- (2) = Required if radioactivity release is imminent, ongoing, or terminated and prior to EA & DP taking control of the off-site monitoring teams from the Control Room.

ASSESSMENT METHOD SELECTION CHART



ASSESSMENT METHOD SELECTION CHART



DETERMINATION OF RADIOACTIVITY RELEASES DURING EMERGENCIES

NOTE:

This procedure does not address any reports required by the ODCM -- see the abnormal release procedures in the Radiological Controls Manual for these requirements.

DEFINITIONS

EPP/I-1, Recognition and Classification of Emergency Conditions, contains the following two definitions:

PLANNED RELEASE

A **PLANNED RELEASE** is a release of radioactivity that is authorized by a Radioactive Waste Discharge Authorization (RWDA), including batch and/or continuous releases.

UNPLANNED RELEASE

An **UNPLANNED RELEASE** is a release of radioactivity that has not been authorized by a Radioactive Waste Discharge Authorization (RWDA). Implicit in this definition are unintentional releases, unmonitored releases, or **PLANNED RELEASES** that exceed a condition specified on the RWDA, e.g., alarm setpoints, minimum dilution flow, minimum release times, maximum release rates, and/or discharge of incorrect tank.

NOTE:

Neither of these definitions specify a threshold activity level, i.e., some level below which the release is not a release. The distinction is to be made solely on the basis of whether a **PLANNED RELEASE** or an **UNPLANNED RELEASE** is involved.

DETERMINATION OF RADIOACTIVITY RELEASES DURING EMERGENCIES

RELEASES DURING NON-EMERGENCY PERIODS

1. UNPLANNED RELEASES exceeding the criteria of EPP/I-1 are to be reported.
2. PLANNED RELEASES are NOT reported.

Minor leakage or spills of radioactive liquids or gases within the plant due to procedurally-directed valve operations, maintenance, sampling, pump venting, etc., are addressed within the scope of the continuous RWDAs and are, therefore, PLANNED RELEASES.

RELEASES DURING EMERGENCIES

During declared emergencies, the situation is somewhat different and more judgment is necessary. During these periods, the attention and concern of offsite agencies with regard to radioactivity releases is heightened. It is extremely important that all communications with offsite personnel be consistent.

1. Ongoing PLANNED RELEASES at either Unit may be discontinued per the following. (See the definition of PLANNED RELEASE above and this excludes continuous RWDA approved permits).
 - a. Any Routine/Batch Release at either Unit need not be discontinued upon declaration of an Unusual Event, unless the release is the cause of the Unusual Event.
 - b. Any Routine/Batch Release at either Unit shall be discontinued (except continuous RWDA approved release) upon declaration of an Alert or higher emergency classification.
2. Any UNPLANNED RELEASE that causes a valid alarm, (e.g., HIGH/HIGH-HIGH, ALERT/HIGH, ALERT/WARNING, etc.) on installed effluent monitors shall be reported.

ATTACHMENT 4 (3 of 4)

DETERMINATION OF RADIOACTIVITY RELEASES DURING EMERGENCIES

3. Generally, if the release of radioactivity is directly related to the initiating event (e.g., RWST rupture, WGDT rupture, SGTR) or to subsequent failures (e.g., LOCA with failure of containment), it shall be reported. These are UNPLANNED RELEASES.
4. Intentional emergency venting of components containing accident concentrations of radioactive materials (e.g., containment) shall be reported. Prior notification should be given in these cases whenever possible, consistent with plant safety. These are UNPLANNED RELEASES.

For situations not adequately addressed above, it is preferable to declare a release (with appropriate disclaimers regarding its magnitude) and subsequently retract the notification if necessary, than to NOT initially report the release and have offsite personnel detect the release via offsite monitoring teams or learn of the release by review of status boards entries. However, ensure that all communications (e.g., follow-up notifications, press releases, etc.) to offsite personnel report the SAME conclusion.

TERMINATION OF UNPLANNED RELEASES

Generally, an UNPLANNED RELEASE is considered terminated when the conditions that caused it to be declared as a release, cease to exist.

- a. For monitored UNPLANNED RELEASES, effluent monitor alarms have cleared AND the valid readings have returned to levels consistent with pre-event readings, or,
- b. For UNPLANNED RELEASES from the containment (1) containment pressure has returned to subatmospheric, OR (2) containment isolation has been restored with pressures near or below atmospheric. Equalization of containment pressure with atmospheric pressure without isolation DOES NOT terminate the release, or,

DETERMINATION OF RADIOACTIVITY RELEASES DURING EMERGENCIES

- c. For UNPLANNED RELEASES from main steam relief valves during SGTRS, the release can be considered terminated if (1) the valves are shut, AND (2) RCS pressure is stable, trending downward, and is less than lowest valve setting (1075 psi), or,
- d. When the radioactivity inventory in the release source has been dissipated, or,
- e. When there is no longer a viable release path (i.e., release isolated), or driving force for the release.