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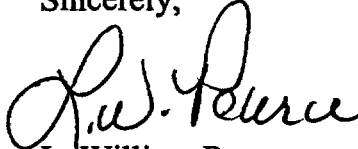
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Subject: Beaver Valley Power Station, Unit No. 1 and No. 2
BV-1 Docket No. 50-334, License No. DPR-66
BV-2 Docket No. 50-412, License No. NPF-73
Beaver Valley Power Station Emergency Preparedness Plan and
Implementing Procedures

In accordance with 10 CFR Part 50.4, this letter forwards recent revisions of the Beaver Valley Power Station Emergency Preparedness Plan Implementing Procedures to the Nuclear Regulatory Commission. The changes do not decrease the effectiveness of the Plan and the Plan, as changed, continues to meet the requirements of Appendix E of 10 CFR 50. Therefore, 10 CFR Part 50.54(q) requires that these changes be submitted for information only.

There are no regulatory commitments contained in this letter. If there are any questions concerning this submittal, please contact Ms. Susan L. Vicinie, Manager, Emergency Preparedness at 724-682-5767.

Sincerely,



L. William Pearce

Enclosure 1 – Summary of Changes
Enclosure 2 – Plan/Procedure revisions

c: Mr. T. G. Colburn, NRR Senior Project Manager (w/o Enclosure 2)
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Enclosure 1 Summary of Changes

Revisions to Beaver Valley Power Station Emergency Preparedness Plan Implementing Procedures

The following is a brief summary of the changes made to the Emergency Preparedness Plan Implementing Procedures.

EPP/Implementing Procedures:

EPP/IP-1.4 Technical Support Center Activation, Operation and Deactivation

Revision 19 revised Attachment 2 (sections 1.2, 2.6 and the NOTE in section 1) to eliminate the requirement for "sign in" boards. The boards were used for accountability and a Fitness for Duty screen; however, these functions are achieved by other means and the boards have been determined to be unnecessary. In addition, section 1.4.2 was revised to change "ERF Emergency Entrance" to "Emergency Response Facility."

EPP/IP 1.7 Emergency Response Organization (ERO) Teams

Revision 12 revised sections 3.1.4 and 8.1.3.1 to update the Fitness for Duty procedure number. Attachment 1 was changed to Attachment "A". This attachment was also revised to delete "during normal working hours" and to add, "when personnel are at the Site." Attachment 2 was replaced with a separate form, and step 8.2.3.2.2 was revised to reference the new form.

Beaver Valley Power Station

Unit 1/2

EPP/IP 1.4

Technical Support Center Activation, Operation and Deactivation

Document Owner
Manager, Emergency Preparedness

Revision Number	19
Level Of Use	General Skill Reference
Safety Related Procedure	Yes

CONTROLLED
BVPS UNIT 3

Beaver Valley Power Station		Procedure Number: EPP/IP 1.4	
Title: Technical Support Center Activation, Operation and Deactivation	Unit: 1/2		Level Of Use: General Skill Reference
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EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-12-87
	1	OSC Approved	3-29-88
	2	OSC Approved	3-22-90
Issue 9 Rev.	0	Non-Intent Revision	10-9-90
	1	Non-Intent Revision	11-21-91
	2	Non-Intent Revision	12-29-92
	3	Non-Intent Revision	2-9-93
Rev.	5	OSC Approved	11-10-93
	6	OSC Approved	12-15-94
	7	Non-Intent Revision	10-6-95
	8	Non-Intent Revision	12-1-95
	9	Non-Intent Revision	4-3-96
	10	Non-Intent Revision	6-17-97
Rev.	11	Non-Intent Revision	1-1-98
	12	Non-Intent Revision	4-1-98
	13	Non-Intent Revision	12-31-99
	14	Non-Intent Revision	01-23-01
	15	Non-Intent Revision	8-8-01
	16	Non-Intent Revision	12-12-01
	17	Simple Change	8-15-02
Rev.	18	Simple Change	2-25-03
Rev.	19	Simple Change	7-30-03

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A. PURPOSE

This procedure provides guidance for the Technical Support Center (TSC) staff in the activation, operation and deactivation of the Technical Support 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 NRC Inspection Report 50-334 #81-27 (The concept of operations described in this EPP/IP were incorporated in response to finding.)
- 6.0 NUREG-1394 "Emergency Response Data System (ERDS) Implementation."
- 7.0 Condition Report #970716
Condition Report #00-2202
Condition Report #01-3198
Condition Report #01-6025
Condition Report #02-04166
Condition Report #01-1714-07
Condition Report #02-03660
Condition Report #03-02032-03

C. RESPONSIBILITIES

The Technical Support Coordinator is responsible for insuring the actions outlined in this procedure are completed. The Emergency Director is responsible for insuring Attachment 4 "Guidance for ERF Evacuation/Inaccessible" is implemented, if applicable. The TSC Computer Coordinator is responsible for ERDS activation per Attachment 9.

D. ACTION LEVELS/PRECAUTIONS

1.0 ACTION LEVELS

NOTE

NUREG-1394 requires activation of the ERDS computer within one (1) hour of the declaration of any Alert or higher classification.

1.1 This procedure should be initiated upon any of the following:

- 1.1.1 At the direction of the Shift Manager, assuming the responsibilities of the Emergency Director.

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1.1.2 Declaration of an emergency condition equal to or greater than an Alert.

2.0 PRECAUTIONS

NOTE:

Operability of the TSC and EOF is checked as part of Operations Manual, Chapter 58. Emergency activation of the TSC and EOF will include operability checks in addition to those mentioned above.

- 2.1 To ensure that appropriate and timely attention is paid to the in-plant and offsite aspects of the emergency condition, the Shift Manager should delegate supervision of in-plant activities and assume the responsibilities of the Emergency Director as set forth in the BVPS Emergency Preparedness Plan.
- 2.2 The Shift Manager must ensure that TSC activities and personnel associated with TSC activation do not interfere with operational and assessment actions.
- 2.3 The Technical Support Center will provide the following functions:
 - * Provide plant management and technical support to plant operations personnel during emergency conditions.
 - * Relieve the reactor operators of peripheral duties and communications not directly related to reactor system manipulations.
 - * Prevent congestion in the Control Room.
 - * Perform EOF functions for the Alert Emergency class and for the Site Area Emergency class and General Emergency class until the EOF is functional.
 - * Provide radiological briefings for personnel leaving the ERF during a declared emergency.

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E. PROCEDURE

1.0 ACTIVATION

NOTE:

The TSC should be activated as soon as possible, but, in all cases, within one (1) hour of an ALERT or higher classification. BVPS will continue to maintain an ERO and notification system which will have the objective of meeting the 30/60 minute response time criteria specified in NUREG-0654. It is recognized that 100% staff augmentation, within 30 minutes, may not be achievable under all circumstances. The Onsite staff shall be augmented as soon as reasonably achievable.

- 1.1 Upon declaration of an emergency condition equal to or greater than an ALERT or as directed by the Emergency Director (SM), the ERF Emergency Access Station procedure should be implemented (Attachment 2)
 - 1.1.1 Security and the Technical Support Coordinator shall refer to Attachment 1 for instructions concerning the ERF ventilation.
 - 1.1.2 If personnel are notified that the Site is inaccessible, refer to Attachment 4 "Guidance For ERF Inaccessible/Evacuation".
- 1.2 Upon notification of an Alert or higher emergency classification, the on-call Emergency Director shall do at least one of the following:
 - 1.2.1 Proceed to the Control Room, or
 - 1.2.2 Contact the SM/ED via cell phone, direct ringdown phone, or other available communications, and
 - 1.2.3 Obtain the information to complete the turnover status checklist with the on-duty SM/Emergency Director.
- 1.3 The Technical Support Coordinator shall inform the Emergency Director of TSC staffing (reference Attachment 5).

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NOTE:

Obtain the BVERS printout from the FAX machine in the TSC Communications Area.

- 1.3.1 Using the Beaver Valley Emergency Response System (BVERS) printout, determine staffing from personnel currently at the TSC, or via arrival times listed on the BVERS printout.
- 1.4 The Technical Support Coordinator shall inform the Emergency Director of the status of the following:
 - 1.4.1 Emergency equipment is energized or operable. (Reference Attachment 5)
 - 1.4.2 Security has:
 - Secured the Emergency Response Facility.
 - Isolated the ERF ventilation, per Attachment 1.
 - 1.4.3 Radiation Protection has:
 - Established Frisking Station (if required).
 - Established TLD Issue Area.
- 1.5 Verify that the Radiological Controls Coordinator has initiated habitability surveys, if necessary. (Refer to Attachment 8 of this IP.)

NOTE:

Depending on the type of emergency or circumstances, the TSC may be activated without complete staffing or all available communications equipment.

- 1.6 Upon information provided by the Technical Support Coordinator, the Emergency Director, or designee, shall declare the Technical Support Center activated and inform the Shift Manager of the final transfer of responsibilities. A formal activation announcement shall be made over the ERF page, the plant page party system, and the Operations/RadCon Headset Circuits. EPP/IP 1.3, "Turnover Status Checklist" should be used during the turnover process to assure accurate information is received.

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2.0 OPERATION

NOTE:

If actions are required in an emergency that are immediately needed to protect the public health and safety, and departs from the license condition or Technical Specification, the action shall be approved, as a minimum by a licensed Senior Reactor Operator prior to taking the action, per 10 CFR 50.54 (x) and (y).

- 2.1 The Technical Support Center (TSC) is located in the Emergency Response Facility. Equipment and facilities required for implementation of the BVPS EPP are located in the TSC. This equipment includes; computer systems for both Units, dedicated telephones providing access to Control Room data and the means for conversations with Operations personnel and dedicated headset circuits.
- 2.2 Technical Support Center equipment operation shall be under the guidance set forth in the BVPS EPP/IP 1.2, "Communications and Dissemination of Information", or other applicable procedures.
- 2.3 If access to the TSC becomes restricted due to radiological or other conditions, the Emergency Director and designated Emergency Coordinators should relocate per Attachment 4. All other TSC personnel will receive reporting instructions as the situation warrants.
- 2.4 The functional responsibilities of the individual TSC personnel (Emergency Coordinators) are identified in Section 5 of the BVPS Emergency Preparedness Plan.

3.0 DEACTIVATION

- 3.1 The Emergency Director may, upon satisfying the criteria of EPP/IP 6.2, "Termination of the Emergency and Recovery", declare the TSC deactivated. The Technical Support Coordinator will be directed to coordinate the TSC deactivation. Preparations should be made between the Shift Manager and the Emergency Director to transfer remaining responsibilities to the On-Shift or Recovery organizations.
- 3.2 After shifting responsibilities, inform the Shift Manager that the TSC has been deactivated. A formal announcement should be made to any remaining TSC staff and announced over the Operations and RadCon circuits, as a minimum.

CAUTION:

Establish contact with the NRC to obtain approval for ERDS link deactivation.

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- 3.3 Upon deactivation, the Technical Support Coordinator should direct available personnel to de-energize and restore emergency equipment, forms and any other items utilized during the emergency response.

F. FINAL CONDITIONS

- 1.0 The use of this procedure shall be terminated after the following conditions have been met.
- 1.1 All available records generated during the emergency response are forwarded to the Communications and Record Coordinator.
- 1.2 All functional equipment/supplies have been restored to preactivation status.
- 1.3 The TSC staff has been relieved of all duties associated with the operation of the TSC.
- 1.4 Normal operations have been restored or a recovery organization established.

G. ATTACHMENTS

- 1.0 ERF VENTILATION SYSTEM ISOLATION
- 2.0 ERF EMERGENCY ENTRANCE
- 3.0 ACTIVATION OF IPC, ERFCS AND SPDS COMPUTERS
- 4.0 GUIDANCE FOR ERF EVACUATION/INACCESSIBLE
- 5.0 TECHNICAL SUPPORT COORDINATOR - ACTIVATION CHECKLIST (Example)
- 6.0 COMPUTER COORDINATOR - ACTIVATION CHECKLIST (Example)
- 7.0 COMMUNICATIONS AND RECORDS COORDINATOR - ASSIGNMENT CHECKLIST (Example)
- 8.0 RADIOLOGICAL CONTROLS COORDINATOR - CHECKLIST (Example)
- 9.0 ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM (ERDS) FROM THE TSC
- 10.0 NRC/BVPS TECHNICAL INFORMATION FLOW

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ERF EMERGENCY VENTILATION ISOLATION/ACTIVATION

RESPONSIBILITY

Upon declaration of an ALERT or higher emergency classification, or at the direction of the Emergency Director, Security shall complete **SECTION A** and the Technical Support Coordinator, or designee, shall complete **SECTION B**.

NOTE:

If Security is unavailable or delayed, the Technical Support Coordinator, or designee, shall also complete **SECTION A**.

SECTION A, Ventilation Isolation by Security

NOTE:

The ERF Ventilation System is isolated by Security personnel immediately after they have established the ERF Emergency Access Station.

To manually isolate the ventilation system in the Emergency Response Facility, perform either step 1) or 2) of the following:

- 1) Flip the switch on Control Panel #5 (located in the EOF - Figure 1). The switch is located on the lower right hand side of the HVAC panel and should be placed from the normal position to the Emergency System Mode Switch position (observe instructions posted on the panel).
or
- 2) Follow the same procedure in the Mechanical Room (Figure 1). The switch and instructions are also located on the HVAC panel on the lower right hand side of the panel.

The switch closes the automatic dampers and allows for recirculating the air in the ERF. Whether the switch is in the normal or emergency system mode switch position, the air is sent through a series of filters before circulating.

- 3) Record time Emergency Ventilation switch activated, and **Inform Technical Support Coordinator**.
- 4) If the ventilation system is not isolated/activated, inform Technical Support Coordinator. The Technical Support Coordinator shall discuss the situation with the Engineering Coordinator, Emergency Director and Radiological Control Coordinator as to the need for surveys, sampling or ERF evacuation.

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ERF EMERGENCY VENTILATION ISOLATION/ACTIVATION

SECTION B, Starting Second Ventilation Fan by Tech Support Coord./Designee

The purpose of Section B is to start the second air handling Fan to ensure a positive pressure is maintained in the TSC and EOF during emergency use.

- 1) Locate the S-1 Air Handling Unit Panel in the Maintenance Area Mechanical Room Figure 1, (Across from the ERF Reproduction Room.)
- 2) Verify or place the S-1 air handling unit Fan No. 1 in "Manual".
- 3) Verify or place the S-1 air handling unit Fan No. 2 in "Manual".

NOTE:

If S-1 air handling unit Fan No. 1 is in service, go to step 5, if S-1 air handling unit Fan No. 2 is in service, go to step 4 and skip step 5).

- 4) Start the S-1 air handling unit fan No. 1 by pushing the start button.
- 5) Start the S-1 air handling unit fan No. 2 by pushing the start button.
- 6) Adjust the manual speed controller on the S-1 air handling unit Fan No. 1 to 8.75.
- 7) Adjust the manual speed controller on the S-1 air handling unit Fan No. 2 to 8.75.
- 8) Close doors to the TSC (including the Communications Area of the Ombudsman's Office) and EOF (i.e.: do not prop or block doors open).
- 9) Inform Emergency Director second ventilation fan has been started to maintain TSC and EOF positive pressure.
- 10) If the second fan does not start, the Technical Support Coordinator shall discuss the situation with the Engineering Coordinator, Emergency Director and Radiological Control Coordinator as to the need for surveys or sampling.

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ERF EMERGENCY VENTILATION ISOLATION/ACTIVATION

SECTION C, Returning Ventilation System to One Fan (Normal) Service

CAUTION:

Ramp down Fan speed prior to stopping second Fan.

- 1) Stop the S-1 air handling unit Fan No. 2 by pushing the stop button.
- 2) Place the S-1 air handling Unit Fan No. 2 in auto.
- 3) Adjust the manual speed controller on the S-1 air handling unit Fan No. 1 to 7.0.
- 4) Adjust the manual speed controller on the S-1 air handling unit Fan No. 2 to 7.0.
- 5) Place the ERF Building Normal/Emergency Ventilation switch at panel CP-1 in the Maintenance Area Mechanical Room Figure 1 (across from the ERF Reproduction Room) to the Normal position.
- 6) Confirm labeled indicators have reversed damper positions.
- 7) Inform the Engineering Coordinator and the Emergency Director.

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ERF EMERGENCY ENTRANCE

A. PURPOSE

This procedure provides guidance for emergency support personnel for gaining access to the Emergency Response Facility (ERF).

B. REFERENCES

None

C. RESPONSIBILITIES

The RadCon Coordinator and Security Coordinator are responsible for insuring the actions outlined in this procedure are completed.

D. ACTION LEVELS/PRECAUTIONS

1.0 ACTION LEVELS

1.1 This procedure should be initiated upon any of the following:

- 1.1.1 At the direction of the Shift Manager assuming the responsibilities of the Emergency Director.
- 1.1.2 Declaration of an emergency condition equal to or greater than an emergency classification of ALERT.

2.0 PRECAUTIONS

2.1 The ERF Emergency Entrance will provide the following functions:

- * Provide a controlled access location into the ERF.
- * Provide a location for performing radiological monitoring of personnel entering the ERF (if appropriate).

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E. PROCEDURE

1.0 ACTIVATION

NOTE:

If emergency personnel arrive at the ERF Building prior to Security/Radiation Protection set-up, they shall begin activation of their area. Upon Security/Radiation Protection set-up, announcements should be made on the ERF Page for personnel to obtain dosimetry. Radiation Protection may cross-reference sign-in logs to assure all personnel are signed in and possess dosimetry.

- 1.1 Security will secure all entrances to the ERF, except the Radiation Protection Check Area entrance at the ERF garage (Figure 1).
- 1.2 Radiation Protection will establish a Dosimetry Issue Station down the hall from the Radiation Protection Check Area entrance. All personnel entering the ERF Building will be required to wear a TLD (Figure 2).

- 1.2.1 Dosimetry should not be issued to individuals who have worn their assigned BVPS TLD when entering the ERF. The Security/TLD issue log should be marked accordingly.

- 1.2.2 A RadCon Coordinator Assistant should make the following announcement on the ERF page system (PAX 7000).

"All emergency workers who have not processed in through Security and Radiation Protection should do so as soon as practical to ensure complete staff accountability and radiation dosimetry issue."

REPEAT THIS ANNOUNCEMENT SEVERAL TIMES DURING THE INFLUX OF THE ERO SUPPORT STAFF.

- 1.3 Radiation Protection will also establish a radiological monitoring station, if needed, in the Radiation Protection Check Area with appropriate radiological boundaries (Figure 2).
- 1.4 A RadCon Coordinator or Assistant shall make the following announcement:

"All ERF personnel leaving the ERF must receive a radiological briefing from the TSC RadCon Coordinator in the TSC prior to exiting the ERF".
- 1.5 After the influx of TSC/EOF support staff, a RadCon Coordinator Assistant should make an accounting of those who normally have assigned dosimetry and who received ERF-EPP TLD's. The normal dosimetry should be pulled from the normal storage locations for return to the ERF Building as soon as practical.

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2.0 OPERATION

- 2.1 Radiation Protection will determine the necessity of a self-frisk based on Radiation Protection/Operations evaluation of the potential for contamination due to a radiological release.
- 2.2 All personnel entering the Radiation Protection Check area will remain within the radiological boundaries until monitored, if necessary.
- 2.3 If contamination is detected, Radiation Protection should be notified. They will evaluate the extent of the contamination, and direct decontamination in the Decontamination Room, if necessary. (Refer to BVPS HPM Chapter 3, RP 2.3 "Decontamination Control" for additional guidance.)

NOTE:

The Decontamination Room showers drain to a holding tank buried outside the ERF. Tank level indicator panels are located in the front entrance to the ERF, and the Service Dock Area by the roll-up door.

- 2.4 If no contamination is detected, personnel may exit the Radiation Protection Check Area at the designated point, by using the card reader on the wall beside the door (BVPS ID required) or contacting one of the phone numbers listed on the wall, and continue to the Sign-in Sheets.
- 2.5 Personnel who do not have an ID card to access the card reader must call one of the phone numbers listed on the wall to gain access.
- 2.6 Personnel shall obtain dosimetry from Radiation Protection, or notify Radiation Protection their assigned BVPS TLD is being worn, and then continue to their appropriate emergency response positions.

3.0 DEACTIVATION

- 3.1 Upon decision by the Emergency Director/Emergency Recovery Manager to terminate the use of the ERF Emergency Entrance, the RadCon Coordinator and Security Coordinator will direct the deactivation process.
- 3.2 Upon deactivation and prior to the return of normal building access, the RadCon Coordinator will assure that all radiological boundaries and equipment are properly removed, and surveys are conducted to confirm that the Radiation Protection Check Area (and Decontamination Room, if necessary) are below 5000 dpm/100 cm². Areas that cannot be readily decontaminated to acceptable levels shall be isolated and access controlled until decontamination efforts are satisfactorily completed.
- 3.3 Upon deactivation, the Security Coordinator will assure the re-establishment of normal building access.

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F. FINAL CONDITIONS

- 1.0 The use of this procedure shall be terminated after the following conditions have been met:
 - 1.1 All records generated during the emergency response are forwarded to the proper personnel for review and then forwarded to Emergency Preparedness.
 - 1.2 All functional equipment/supplies have been restored to pre-activation status.
 - 1.3 All contaminated waste has been properly packaged and transported to Radiological Waste Disposal.

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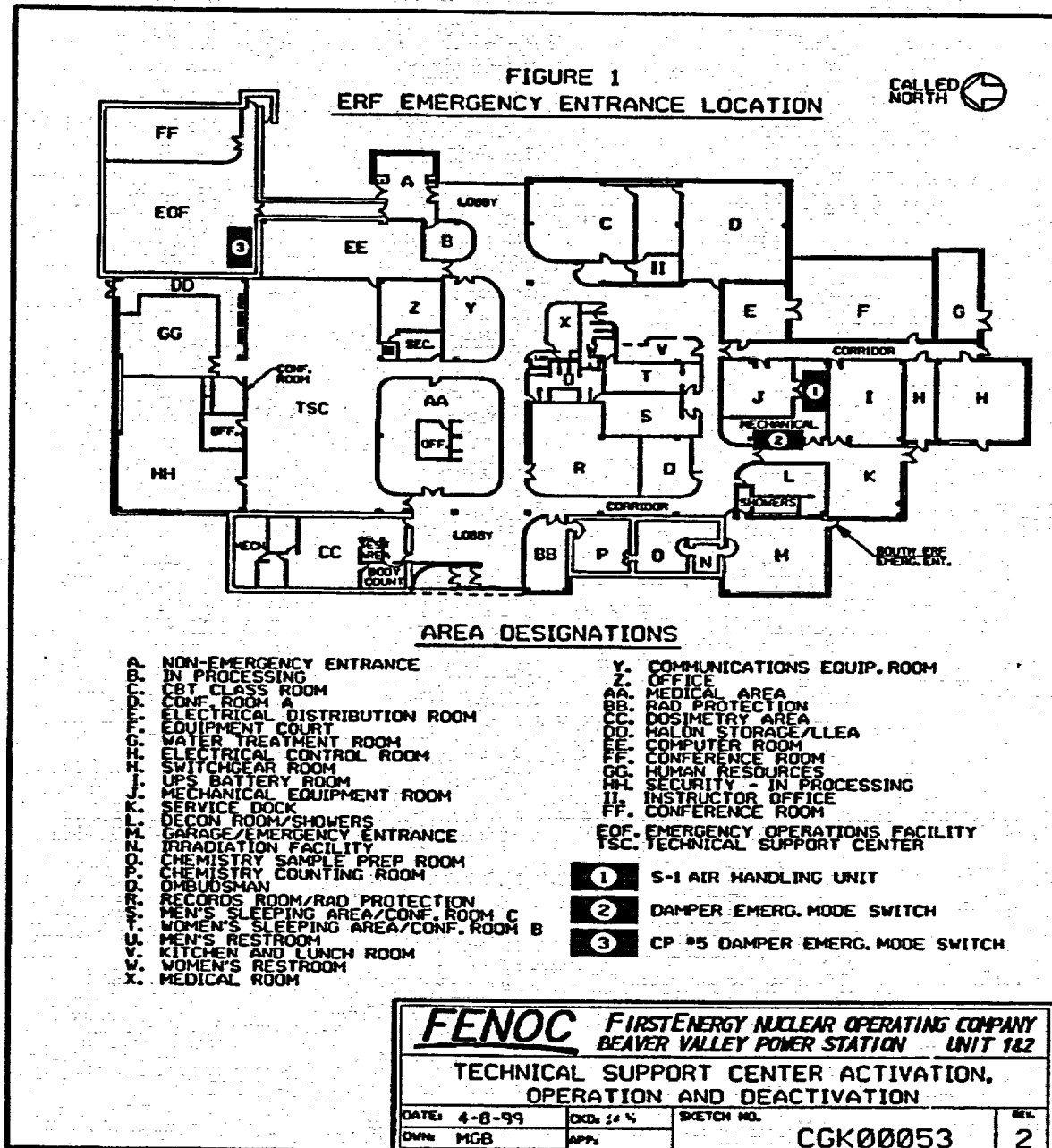
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Figure 1

ERF EMERGENCY ENTRANCE LOCATION



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PREPARED BY THE BVS  CHECKED BY BVS

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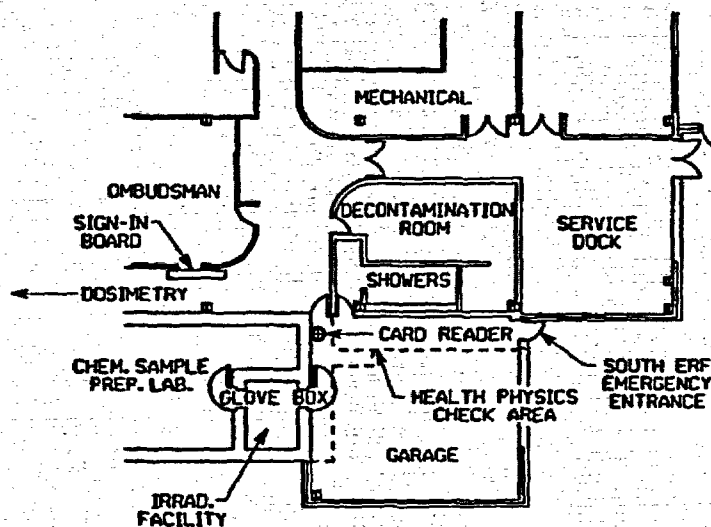
FIGURE 2

ERF EMERGENCY ENTRANCE

CALL
NORTH



FIGURE 2
ERF EMERGENCY ENTRANCE



FENOC

FIRSTENERGY NUCLEAR OPERATING COMPANY
BEAVER VALLEY POWER STATION UNIT 1&2

TECHNICAL SUPPORT CENTER ACTIVATION,
OPERATION AND DEACTIVATION

DATE: 4-8-99

CDN: 7-1

SKETCH NO.

DWN: MGB

APP:

CGK00054

REV: 2

14-JAN-2003 08:55

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PREPARED BY THE BPPS



CH200 SYSTEM

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ACTIVATION OF IPC, ERFCS AND SPDS COMPUTERS

1. Obtain keys to computer consoles from TSC key box and supplies from TSC cabinet.
2. Convert TSC and EOF consoles to engineer mode.
3. Energize TSC trend pen recorders.
4. Perform system check on IPC and SPDS or ERFCS according to OM Chapter 58 and verify activation on HDSR.
5. Clear computer's OJ, log, and high speed line printer.
6. Identify key groups at direction of computer coordinator.
7. Activate trend pen recorders utilizing representative points from key groups. Identify point names and ranges with grease pencil on recorder faces. (U2 Only)
8. Initiate one standard trend log for each key group and activate and initiate collection.
9. Assign key groups to their respective logs.
10. Display RCS P&ID on IPC/ERFCS utility screen.
11. Display PSSD iconic on SPDS monitor.
12. Monitor group display for point alarms or abnormal trends and values, and alert key personnel.
13. Modify displays, trend pens, standard trend logs, and spare group assignments to support needs of TSC and EOF personnel.
14. Periodically provide logs and appropriate summaries.
15. Upon termination return system to normal operating status, and return console keys to the TSC key cabinet.

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Title:

Unit:

1/2

Level Of Use:

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ATTACHMENT 4 (Page 1 of 3)

GUIDANCE FOR ERF EVACUATION/INACCESSIBLE

NOTE:

Although the ERF Building is a radiologically hardened facility, other hazards (fire, toxic gas, flooding, loss of power, loss of internal ventilation control, etc.) may cause evacuation of the ERF, or result in ERF inaccessibility to emergency response personnel.

- 1.0 The following is guidance for Emergency Response Organization personnel in the event of ERF evacuation or inaccessibility.

TABLE 1

<u>TSC POSITION</u>	<u>IF EVACUATION RELOCATE TO</u>	<u>IF INACCESSIBLE REPORT TO</u>
Emergency Director	* Control Room	Alternate EOF (JPIC)
TSC Operations Coordinator	* Control Room	Alternate EOF (JPIC)
RadCon Coordinator	* Control Room	Alternate EOF (JPIC)
Maintenance Coordinator	* Control Room	Alternate EOF (JPIC)
Comm & Records Coord.	* Control Room	Alternate EOF (JPIC)
Chemistry Coordinator	Unit 1 Cold Lab	Alternate EOF (JPIC)
Engineering Coordinator	SEB	Alternate EOF (JPIC)
Technical Support Coordinator	SEB	Alternate EOF (JPIC)
TSC Engineers	SEB	Alternate EOF (JPIC)
Document Support	SEB	Alternate EOF (JPIC)
Security Representative	+ Alternate EOF (JPIC)	Alternate EOF (JPIC)
Computer Coordinator	Alternate EOF (JPIC)	Alternate EOF (JPIC)
Operations Communicator	Alternate EOF (JPIC)	Alternate EOF (JPIC)
Telecommunications	SEB	Alternate EOF (JPIC)
EA&DP Coordinator	Alternate EOF (JPIC)	Alternate EOF (JPIC)

- + The Security Coordinator will remain in CAS while ERF Security personnel relocate per EPP/IP 1.6.

- * These personnel should relocate to the unaffected Unit's SM Office.

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GUIDANCE FOR ERF EVACUATION/INACCESSIBLE

2.0 ERF Evacuation

NOTE:

Upon determination that ERF personnel must be evacuated during an emergency condition, the Emergency Director, in conjunction with the RadCon Coordinator and the TSC Security Coordinator, shall assign appropriate personnel to conduct a search of the building to assure that all personnel are evacuated.

EOF personnel shall report to the Alternate EOF per EPP/IP 1.6.

2.1 Personnel listed in Table 1 shall turnover their responsibilities to Control Room or OSC personnel and report to their designated locations.

2.2 All other ERF personnel shall relocate to the SEB first floor or relocate to another area (alternate onsite work location or assembly area).

2.2.1 Upon relocation, the Engineering Coordinator, Chemistry Coordinator and EA&DP Coordinator shall call the Emergency Director in the Control Room and relay a phone number where they can be contacted.

2.2.2 Personnel may also be dismissed from the Site, as directed by the appropriate Coordinator.

2.3 The evacuation location may be changed per the Emergency Director, or appropriate Coordinator, dependent on the cause of the evacuation or the loss of specific equipment.

3.0 ERF Inaccessible

NOTE:

This would most likely be a non-daylight work hour event, since during daylight work hours, personnel onsite would be able to access onsite Emergency Facilities.

3.1 Upon notification of an emergency classification with the Site inaccessible, only those TSC positions listed in Table 1 should report to the Alternate EOF and determine the requirements for Site access and the necessity for additional personnel response (assistants, communicators, engineers, etc.).

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GUIDANCE FOR ERF EVACUATION/INACCESSIBLE

4.0 Site Accessible

- 4.1** Upon the Site becoming accessible, the Emergency Director/Emergency Recovery Manager shall call the Control Room SM/ED for a turnover, if the emergency has not been terminated.
- 4.2** Upon completion of the turnover, the TSC Emergency Director/Emergency Recovery Manager shall report to the TSC/EOF, conditions permitting (radiological, toxic gas, etc.). He will then call the Control Room SM for an update, receive a staffing and equipment operability update, and brief the TSC and EOF over the ERF Building page system.

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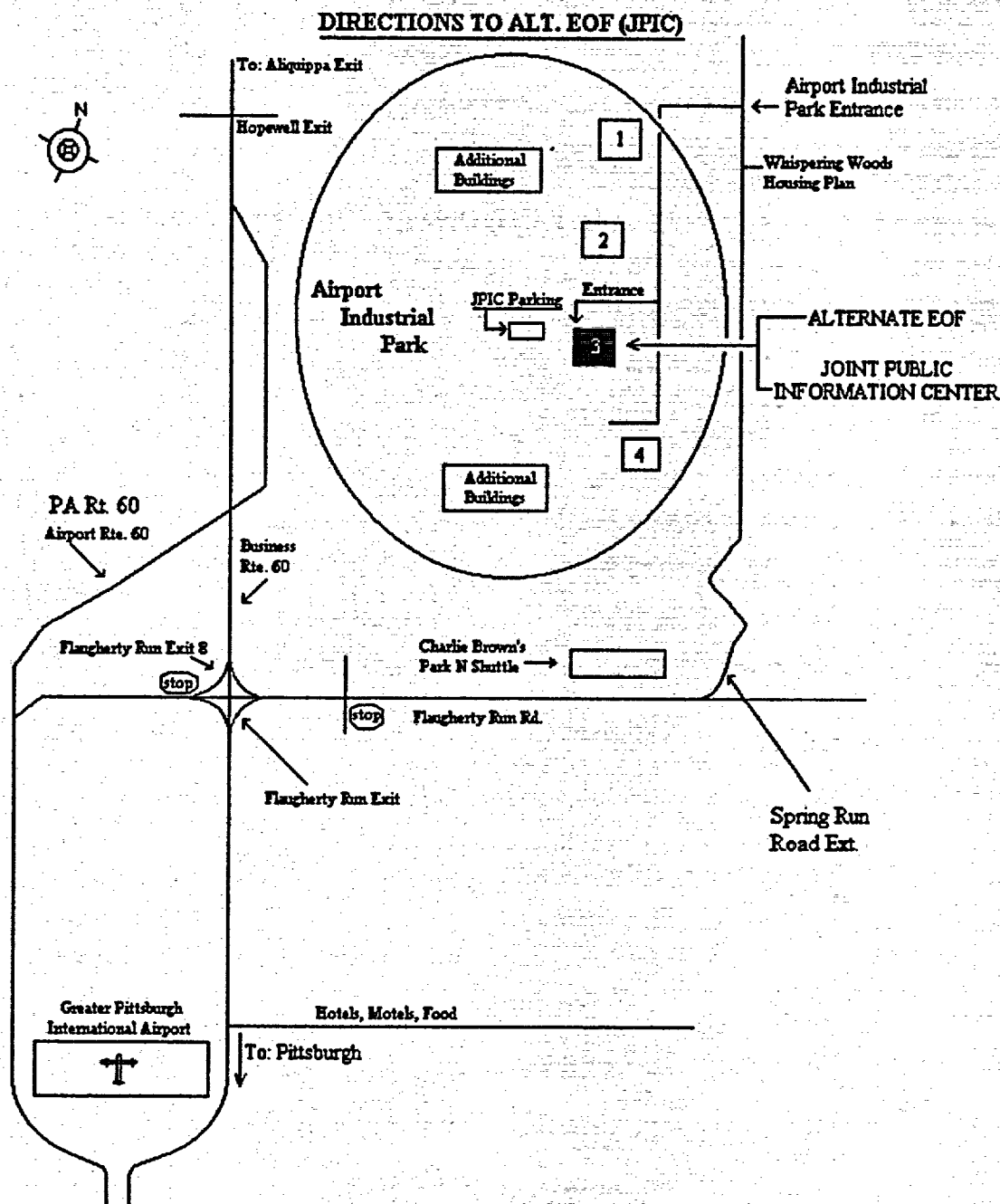
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Figure 1



Beaver Valley Power Station

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ATTACHMENT 5 (Page 1 of 3)

TECHNICAL SUPPORT COORDINATOR
(TSC ACTIVATION CHECKLIST)

NOTE:

This checklist is provided to aid the Technical Support Coordinator in determining the state of readiness of the TSC for activation. It is not intended to replace any portion of this IP.

NOTE:

TSC Engineering personnel are to begin completion of this attachment as they arrive in the TSC.

A) INITIAL ACTIVATION

Verified Complete By	Time	Task
_____	_____	1. Open TSC Cabinet and distribute TSC Folders, Badges, etc.
_____	_____	2. Review Page 2 of this Attachment to determine equipment operability.
_____	_____	3. Review Page 3 of this Attachment to determine TSC Staffing.
_____	_____	4. Confirm with Security that the ERF Emergency Entrance has been staffed.
_____	_____	5. Confirm with RP that the RadCon Frisker Station has been established.
_____	_____	6. Confirm with RP that the TLD Issue Area has been established.
_____	_____	7. Perform Section B, "Starting Second Ventilation Fan by Tech Support Coord./Designee" of Attachment 1, "ERF Emergency Ventilation Isolation/Activation".
_____	_____	8. Confirm with Security/Engineering that the ERF ventilation system has been isolated.
_____	_____	9. Request the Engineering Coordinator to contact the STA and inform him that the TSC is being prepared and to obtain a turnover from the STA.
_____	_____	10. Confirm with the Computer Coordinator that the IPC/ERFCS/SPDS/Trend Pens and ERDS computer systems are operational and available.
_____	_____	11. Confirm with the EA&DP Coordinator that the MIDAS/ARERAS Systems, or alternates, are operational and available.

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TECHNICAL SUPPORT COORDINATOR
(TSC ACTIVATION CHECKLIST)

B. ADDITIONAL

Verified Complete By	Time	Task
		1. Set up headsets at TSC Command Table.
		2. Obtain a copy of the appropriate Unit(s) EOPs from the ERF Emergency Records Center.
		3. Power up Xerox and drawing reproduction equipment.
		4. Assign individual to TSC OEMA Liaison phone to support BVPS personnel located at OEMA (Approximately 4 hours travel time prior to arrival at OEMA).
		5. Update the "Engineering Activities" board.

TECHNICAL SUPPORT COORDINATOR
(TSC ACTIVATION CHECKLIST - EQUIPMENT)

Verified Complete By	Time	SUGGESTED Operable Equipment
		1. Audio communications (Headset circuits and/or direct dial phones) to Control Room.
		2. <u>E</u> mergency <u>T</u> elephone <u>S</u> ystem (ETS) phones
		3. PAX and Bell Phone Lines
		4. Radio Communications Link-Radiation Monitoring

Comments/Exceptions:

TSC READY FOR ACTIVATION

TSC Coordinator:	Time:	Date:
-------------------------	--------------	--------------

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**TECHNICAL SUPPORT COORDINATOR
(TSC ACTIVATION CHECKLIST - STAFFING)**

Verified Complete By	Time	Task
		1. Retrieve the BVERS Call Response Report from the ERF FAX (TSC Communications Area) and determine if all TSC Primary Responder positions have been filled for TSC activation (May not be necessary for events that occur during normal working hours since personnel may staff facilities prior to report printout.).
		2. Review TSC staffing. Inform the ED when sufficient TSC staff members have arrived. Depending on the emergency conditions, personnel necessary for the TSC may vary. Listed below is the suggested minimum staffing.
		<ul style="list-style-type: none"> * <u>Required By E-Plan</u> * Emergency Director * EA&DP Coordinator * Communications & Records Coord * Communications Assistant * Communications Assistant * Nuclear Engineer * Electrical Engineer * Mechanical Engineer * Chemistry Coordinator

ADDITIONAL ONE-HOUR RESPONDERS

- Communications Assistant
- Computer Coordinator
- Technical Support Coordinator
- Communications Assistant
- Rad Control Coordinator
- Maintenance Coordinator
- Engineering Coordinator

Technical Support Coordinator	Time:	Date:
--------------------------------------	--------------	--------------

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ATTACHMENT 6 (Page 1 of 1)

**COMPUTER COORDINATOR
ACTIVATION CHECKLIST**

NOTE:

This checklist is provided as an aid for the Computer Coordinator in the performance of his/her duties. It is not intended to replace any portion of this IP.

NOTE

NUREG-1394 requires activation of the ERDS computer within one (1) hour of the declaration of any Alert or higher classification.

ERDS Activation:

1. Activate ERDS per Attachment 9.

Functional Check of IPC Hardware

1. Turn on monitors in TSC and EOF. Check for current date and time in upper right-hand corner.
2. Check that time is updating.
3. Check High Speed Printer (#4) has adequate paper.

System Activation

1. Get Key from break/glass box in TSC.
2. Open TSC emergency cabinet (Key #1) get the following supplies:
 - a. Speed Memos & status charts
 - b. Arm bands/Badges
 - c. Pens, paper, etc. (misc. supplies)
3. At IPC Console (some duties can be shared by EOF Operator)
 - a. Call up a point summary
 - b. Select points & ranges (operations assistance)
 - c. Activate standard trend logs
4. System Surveillance
 - a. Alarms-acknowledge & generate speed memo's or inform Operation Coordinator.
 - b. Displays-view for changes in critical parameters (SPDS also)
 - c. Analog trends-watch for and rate changes

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ATTACHMENT 8 (Page 1 of 2)

RADIOLOGICAL CONTROLS COORDINATOR
(TSC SUPPORT CHECKLIST)

NOTE:

This checklist is provided as an aid for the Radiological Controls Coordinator in the performance of his/her duties. It is not intended to replace any portion of this IP.

Verified Complete By	Time	Task
		1. Establish communications with the OSC and EA&DP.
		2. Identify significant radiological conditions (both initiating conditions and current status).
		3. Update the ED.
		4. Establish a Dosimetry Issue Station near Security sign-in.
		5. Start the continuous air samples in the EOF hallway and adjust the alarm level following radon daughter equilibrium.
		6. Set-up and start the area radiation monitors in the EOF hallway.
		7. Post signs at the Radiation Protection's Check Area entrance at the ERF garage indicating the whole body frisking is / is not required upon entering the ERF Building.
		8. Initiate Habitability Surveys (if applicable).
		Emergency Response Facilities Habitability-- Other Than CR (OSC, TSC, EOF)
		IF the results of radiation surveys at emergency response facilities other than the Control Room indicate radiation levels of:
		<ul style="list-style-type: none"> • >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.

RadCon Coordinator:	Time:	Date:
----------------------------	--------------	--------------

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RADIOLOGICAL CONTROLS COORDINATOR (TSC SUPPORT CHECKLIST)

Verified Complete By	Time	Task
		THEN evacuate personnel in excess of minimum staffing requirements. Declared pregnant workers and minors should be evacuated under the habitability criteria established for assembly areas. 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 so that they will not have an adverse impact on the emergency response.

TIME	FACILITY	RADIATION LEVELS	AIRBORNE ACTIVITY	COMMENTS
	Unit 1 Mens Locker Room			
	SOSB - 3			
	SOSB - 4			
	OSC			
	TSC			
	EOF			
	* ERF Areas			

- * If radiological controls are necessary outside the ERF building, notify the Emergency Director TSC Radiation Protection and Security personnel to limit ERF personnel access/egress to the ERF, as appropriate (i.e.: restrict access, respirators, anti-C's, etc.). Provide an ERF Building Page announcement concerning restrictions, including a statement that all personnel leaving the ERF need to receive a radiological briefing from the TSC Radiological Coordinator (See Step 1.5). Notify the OSC-RP of ERF radiological conditions and accessibility.

RadCon Coordinator:

Time:

Date:

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ATTACHMENT 9 (Page 1 of 3)

**ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM (ERDS)
FROM THE TSC**

NOTE:

If the ERDS Computer cannot be activated for any reason, contact the BVPS Computer Maintenance Section for corrective action. Inform the Emergency Director the ERDS data link is out of service and backup phone communications with the NRC should be established.

1. Obtain keys to TSC cabinet #1 (if not already open), enter cabinet and obtain "username" and "password" from envelope on inside of cabinet door.

NOTE:

Before attempting to power on the equipment, verify that the unit is powered off -- not just in the screen saver mode. The NCD19C X terminal has a built-in screen saver facility. This screen saver facility will dim the display screen monitor if the keyboard or mouse has not been used for an extended period of time. If the X terminal is in screen saver mode, moving the mouse or pressing any key on the keyboard will cause the display monitor to be refreshed. If the display monitor remains blank after moving the mouse, then the NCD19C X terminal is either broken or powered off.

2. If not already powered on, turn on the NCD19C X terminal using the power switch located on the rear of the NCD19C base unit.

NOTE:

If the DECwindows logon message does not appear after approximately 30 seconds, then the unit is broken; has been disconnected from the network; or the MicroVAX 3100 computer is not operational. Contact the BVPS Computer Maintenance Section to take corrective action.

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**ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM (ERDS)
FROM THE TSC**

3. If not already powered on, turn on the RP LaserJet IIIp laser printer using the power switch located on the right side of the unit.

After turning on power to the RP LaserJet IIIp, the printer will perform a series of power-on self tests. If the power-on self tests successfully completes, all indicator lights on the operator panel will be off except the ONLINE indicator, and the status display will read "00 READY LETTER". If any other indication is present on the printer, then the power-on self tests were not successfully completed and you will be unable to make hard copies of the screen displays. In either case, proceed with the activation procedure.

4. Select the "Username" window, enter information from card in TSC Cabinet #1 and press <RETURN>.
5. Select the "Password" window, enter the current password from the card in TSC Cabinet #1 and press <RETURN>.

CORRECT USER NAME/PASSWORD ENTERED: If the correct Username and password were entered, then the logon message will automatically be removed from the display screen. The R*TIME/X MMI application will be started and the initialized MMI display window with the "TOP MENU", "SCREEN UP", "SCREEN DOWN", and "PREV SCREEN" function buttons will be displayed on the NCD19C X terminal (approximately 1 minute).

6. Move the pointer to the dash in the upper left corner of the control menu box of the MMI display menu. Using the mouse, click once and select "lower" from the pop-up menu.

NOTE:

Do Not close "Session Manager" icon. This will terminate the ERDS link. Minimize the icon, if necessary, and put in lower portion of screen.

7. Position pointer to the lower left hand corner, double click on the "BVERDS" icon.

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**ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM (ERDS)
FROM THE TSC**

8. Position pointer to "Applications" from the pop-up Session Manager menu. Click on "Applications" and select "DECTerm" from the pop-up menu.
9. Type in "ERD", leave a space and "1" or "2" depending on the affected unit. Hit return and follow screen prompted instructions to activate link.
10. While link is activating "Link Status" will change from "Offline" to "Attempting Connection" to "Modem Connected" to "Online". Additionally, Link Status will change from "Offline" to "Connect Modem" to "Connect ERDS" to "Sending Data" or "Waiting".
11. Position pointer to the dash in the upper left corner of the control menu box of the DECTerm window. Using the mouse, click once and select "Minimize" from the pop-up menu.

NOTE:

If both ERDS links need to be activated due to a site emergency declaration or Alert or higher, repeat steps 8 thru 11 for the opposite unit.

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**ATTACHMENT 10 (1 of 3)
A5.715DV**

NRC/BVPS TECHNICAL INFORMATION FLOW

A. PURPOSE

This attachment will define NRC/BVPS information flow responsibilities and provide technical information sheets to be utilized during emergency situations.

NOTE:

This Attachment is to be utilized in the event that the Emergency Response Data System (ERDS) is not operational.

B. RESPONSIBILITIES

The overall responsibility for this attachment rests with the Emergency Director (Shift Manager until the TSC is activated). Individual responsibilities are determined by the location of the NRC dedicated line and the type of information required. These individual responsibilities are listed below:

- * Control Room-NRC/ENS phone - Personnel will be used from the unaffected Unit's supervisory personnel or an assigned designee, until properly relieved by the appropriate TSC Personnel.
- * TSC/EOF-NRC/ENS phone - Designated personnel from the Operations Communicators emergency response group. This will terminate Control Room personnel's responsibility.
- * TSC/EOF-NRC/HPN line - Designated personnel from RadCon and EA & DP.

NOTE:

Unless warranted by the initiating condition or requested by the NRC, the NRC/HPN line will not be manned at the Unusual Event. If required, personnel will be assigned by the RP Operations Center Coordinator.

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NRC/BVPS TECHNICAL INFORMATION FLOW

**ATTACHMENT 10 (2 of 3)
A5.715DV**

C. ACTION LEVELS/PRECAUTIONS

NOTE:

The Shift Manager (Emergency Director) will determine if these data sheets are applicable at the Unusual Event Classification. The data sheets shall be completed for all Alert and above declarations if the ERDS is not operational.

- 1.0 Preliminary information from the licensee (before establishment of the NRC/HPN) is provided via the NRC/ENS and includes both reactor safety and radiation protection data.
- 2.0 Once the NRC/HPN is established, the HPN is the primary means of communicating radiological data, and the ENS is the primary means of communicating reactor safety related information to NRC.

D. PROCEDURE

1.0 Technical Data Sheets

- 1.1 Information sheets concerning plant parameters and Control Room status will be utilized by those personnel manning the NRC/ENS lines.
 - 1.1.1 For Unit #1 actual events, EPP-IP-1.4.F01 may be completed using the IPC Trend Functions and request support from Computer Coordinator.
 - 1.1.1.1 Type GRPPRN to activate group print function.
 - 1.1.1.2 Enter Group Name NRC Infor 1 (Group 1) or NRCINFO2 (Group 2) followed by a <cr>.
 - 1.1.1.3 Select appropriate function key (F1 through F4) to select printer location.
 - 1.1.1.4 Obtain printout from appropriate printer to relay to NRC.

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NRC/BVPS TECHNICAL INFORMATION FLOW

**ATTACHMENT 10 (3 of 3)
A5.715DV**

- 1.1.2 For Unit #2, EPP-IP-1.4.F02 may be completed using the ERFCS group pushbuttons 71 and 72 (GPO71, GPO72), request support from Computer Coordinator. These pushbuttons mimic the attachments for operational data. Data may be acquired commencing with the Group 71 pushbutton and using the page down feature prior to using the Group 72 pushbutton and its associated page down feature.

NOTE:

ATTACHMENT 10 should be completed once per hour (1/Hr.) unless requested differently by the NRC.

- 1.2 Information sheets concerning dose projections, in-plant surveys, offsite surveys and protective action recommendations (EPP-IP-1.4.F01 and EPP-IP-1.4.F02) will be utilized by those personnel manning the NRC/HPN line.

2.0 Maintaining the ENS and HPN

- 2.1 The ENS and HPN lines are tested monthly with any deficiencies noted and reported to the appropriate parties.
- 2.2 The ENS system is exercised each morning by the Headquarters Operation Officer's placement of a call to BVPS to collect status information.

E. FINAL CONDITIONS

Use of this attachment is to be terminated at the direction of the NRC Operations Center.

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Beaver Valley Power Station

Unit 1/2

EPP/IP 1.7

EMERGENCY RESPONSE ORGANIZATION (ERO) TEAMS

Document Owner
Manager, Emergency Preparedness

Revision Number	12
Level Of Use	General Skill Reference
Safety Related Procedure	Yes

CONTROLLED
BVPS UNIT 3

Beaver Valley Power Station		Procedure Number: EPP/IP 1.7	
Title: EMERGENCY RESPONSE ORGANIZATION (ERO) TEAMS	Unit: 1/2	Level Of Use: General Skill Reference	
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EMERGENCY RESPONSE ORGANIZATION (ERO) TEAMS		Revision: 12	Page Number: 1 of 14

1.0 PURPOSE

1.1 This procedure provides the guidance for maintaining the Beaver Valley Power Station Emergency Response Organization (ERO) and ERO augmentation.

2.0 SCOPE

2.1 This procedure describes the Beaver Valley Power Station (BVPS) Emergency Response Organization (ERO) Teams including: designations, assignments, responsibility, transfers, overall coordination and ERO expectations.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Beaver Valley Power Station Emergency Preparedness Plan.

3.1.2 NUREG-0654/FEMA-REP-1 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants."

3.1.3 Title 10, Code of Federal Regulations Part 50, Appendix E.

3.1.4 NOP-LP-1002 "Fitness-For-Duty".

3.1.5 Condition Reports

3.1.5.1 00-4309

3.1.5.2 01-6025

3.1.5.3 02-00444-6

3.1.5.4 02-10225-1

3.1.5.5 03-02032-06

3.1.5.6 03-02103-03

3.1.5.7 03-02034-03

3.1.5.8 03-02034-10

3.1.5.9 03-02103-02

3.2 Commitments

3.2.1 None

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4.0 RECORDS AND FORMS

4.1 Records

 4.1.1 None

4.2 Forms

 4.2.1 EPP-IP-1.7.F01, On-Call ERO Response Team Transfer Form

5.0 RESPONSIBILITIES

5.1 Manager, Emergency Preparedness

 5.1.1 Is responsible for the overall coordination of the ERO Teams and the associated Call-List.

5.2 ERO Members (assigned to a dedicated response team (Red, White, Blue) or ERO Pool personnel (Green))

 5.2.1 Are responsible for the actions described in this procedure.

5.3 BVPS Emergency Response Organization

 5.3.1 Will consist of three (3) dedicated response teams, each with required designated Primary and Secondary responders, supplemented by designated support (call-tree) personnel. The teams will be identified by colors (i.e., Red, White, Blue).

 5.3.1.1 Primary Responders

 5.3.1.1.1 Shall report to their emergency facility as soon as possible, and in all instances, within one (1) hour of notification of an Alert, or higher, emergency classification.

 5.3.1.2 Secondary Responders

 5.3.1.2.1 Shall report to their emergency facility as soon as possible, and in all instances, within two (2) hours of notification of an Alert, or higher, emergency classification.

 5.3.1.3 Designated Support (call-tree) Personnel

 5.3.1.3.1 Are to report to their emergency facilities as soon as possible following notification.

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5.3.1.4 ERO Personnel Not Assigned to One of the Three (3) Dedicated Response Teams

5.3.1.4.1 Will be assigned to the ERO Team Pool, and shall report as soon as possible following notification. The Team Pool will also be identified by color (Green).

5.4 Emergency Preparedness Personnel

5.4.1 Initial team assignments will be determined by Emergency Preparedness personnel. ERO response team transfers shall be approved by the Manager, EP. Temporary transfers are described in Section E.3 of this procedure.

6.0 PRECAUTIONS AND LIMITATIONS

6.1 Precautions

6.1.1 None

6.2 Limitations

6.2.1 None

7.0 PREREQUISITES

7.1 This IP remains in effect at all times to ensure a full state of readiness is maintained.

7.2 All ERO personnel shall be aware of the requirements stipulated in this procedure.

7.3 Transfers of ERO personnel responsibility shall follow the guidance provided in this procedure.

8.0 PROCEDURE

8.1 ERO Team Response Assignments/Responsibilities

8.1.1 Dedicated Response Teams will rotate between the following response categories: On-Call, Stand-By and Back-Up.

8.1.1.1 On-Call responders are those personnel who shall respond immediately when notified. An On-Call team shall consist of Primary Responders, Secondary Responders, and designated support personnel.

8.1.1.2 Stand-By responders have no response responsibility for the week that they are designated as Stand-By. A Stand-By team shall consist of Primary Responders, Secondary Responders, and designated support personnel.

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8.1.1.3

Back-Up responders are the designated relief personnel (12-hour shifts) for the On-Call responders. A Back-Up team shall consist of Primary Responders, Secondary Responders, and designated support personnel.

8.1.2

ERO Response Teams shall rotate weekly.

8.1.2.1

Rotation assignments shall be as follows (ERO Rotation Calendar available on BVWeb, EPP Web Page):

- On-Call to Stand-By
- Stand-By to Back-Up
- Back-Up to On-Call

8.1.2.2

Rotation shall occur every Monday at 0800 hours.

8.1.3

On-Call Team Fitness For Duty (FFD) requirements.

8.1.3.1

Personnel designated "On-Call" Primary and Secondary Responders shall adhere to Fitness For Duty (FFD) requirements per NOP-LP-1002.

8.1.3.2

Personnel conducting a call-out must ask the individual "If they have consumed alcohol within the last 5 hours."

8.1.3.2.1

Personnel responding to a call-out must meet FFD requirements.

8.1.3.3

If deemed necessary, FFD testing shall be conducted prior to beginning ERO duties.

8.1.4

ERO personnel shall adhere to the ERO Expectations (Attachment A).

8.2

Beeper/Responsibility Assignments and Transfers

8.2.1

All personnel assigned to an ERO position as either a Primary or Secondary responder shall be assigned a beeper unless otherwise noted.

8.2.2

On Call personnel arranging transfer of ERO responsibility shall notify Emergency Preparedness per Form EPP-IP-1.7.F01.

8.2.3

Transfer of assignment responsibility for On-Call Team Responders shall fall into three (3) categories.

NOTE:

Individuals shall consult the ERO Call-List to determine the identity of qualified personnel for their ERO position for On Call transfer of responsibility. The ERO Call-List is distributed in paper format and is also available on the Emergency Preparedness Web page (most current list).

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NOTE: If personnel in the On-Call category will not be available for any portion of their one week rotation, they shall arrange for a qualified replacement from the **GREEN** or Stand-by Team prior to requesting a replacement from the Back-up Team.

- 8.2.3.1 On-Call Team personnel who will be unavailable to respond for a period of less than 24 hours shall do the following:

NOTE: Emergency Preparedness **DOES NOT** need to be informed when a transfer of responsibilities for less than 24 hours occurs.

- 8.2.3.1.1 Ensure their position is covered by another qualified individual for that ERO position

- 8.2.3.2 On-Call Team personnel who will be unavailable to respond for a period of greater than 24 hours shall do the following:

- 8.2.3.2.1 Ensure their position is covered by another qualified individual for that ERO position by completing form EPP-IP-1.7.F01, "On-Call ERO Response Team Transfer Form"

- 8.2.3.2.2 Mail (or FAX @ PAX 5777) form EPP-IP-1.7.F01, to the Manager, Emergency Preparedness. If during off-normal working hours, contact Emergency Preparedness and provide the information on EPP-IP-1.7.F01. Mail (or FAX) a completed document to the Manager, Emergency Preparedness.

- 8.2.3.2.3 On-Call Team personnel who will be unavailable to respond due to sudden illness (NOI&I) or personal emergency should attempt to locate a replacement. If a replacement can not be located, contact Emergency Preparedness.

- 8.2.4 All personnel assigned beepers are responsible for maintaining operability of that beeper (i.e., changing batteries when necessary). Personnel shall keep their beepers "on" at all times (and in the audible mode when appropriate) and respond accordingly to ALL beeper activations.

8.3 ERO Activation

- 8.3.1 Beaver Valley Emergency Response System (BVERS) Notification

NOTE: BVERS is a computer aided Voice Mail system that will be used to activate the ERO Beepers and accept personnel call backs.

- 8.3.1.1 Beepers will be activated for ERO notifications with the following Actual Event – On-Call ERO Team phone: 724-643-4370 (or 330-315-4380).

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8.3.1.1.1 **Only On-Call ERO Team personnel shall call back into BVERS by dialing 724-643-4370/330-315-4380, as required.**

8.3.1.2 **Beeper Holder Response**

8.3.1.2.1 **Upon calling into BVERS, you will be prompted to enter your Plant Photo I.D. number (e.g.: 0123). *Data entry requires a touch tone phone.* BVERS will then ask you to verify the number by pressing "9" (yes) or "6" (no).**

8.3.1.2.2 **A message will be provided at this time stating the Unit, time and emergency classification declared and the basis for the declaration.**

NOTE: BVERS will have information on all qualified ERO personnel programmed into its data base, and will know who you are and for which ERO position you are currently qualified by your I.D. entry. Personnel calling into BVERS will either access the system immediately, or receive a busy signal. Personnel calling back should be able to access the system within a few minutes.

8.3.1.2.3 **BVERS will ask the following questions:**

- * **BVERS will ask if you understand the message by pressing "9" (yes) or "6" (no).**
- * **BVERS will ask if you are Fit For Duty and ask you to acknowledge by pressing "9" (yes) or "6" (no).**
- * **BVERS will ask if you are able to respond and ask you to acknowledge by pressing "9" (yes) or "6" (no).**
- * **BVERS will ask you to enter your Estimated Time of Arrival in minutes (enter your travel time from your location to your emergency facility).**
- * **BVERS will then terminate the connection.**

8.3.1.2.4 **BVERS will print out reports for the Control Room, Emergency Response Facility, and Joint Public Information Center identifying those personnel who have called in.**

8.3.1.2.5 **The ERO Team designated as Back-Up does not need to call-in but shall report 12-hours after emergency declaration, unless otherwise notified.**

8.3.1.3 **If BVERS determines that a specific ERO position has not been staffed, it will activate the individual Beepers for all personnel in that specific ERO position with the following display: **724-643-4370 or 330-315-4380****

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- 8.3.1.3.1 Any ERO Beeper Holder receiving a Beeper Code of 724-643-4370 or 330-315-4380 SHALL call into BVERS, answer the questions requested and report to their designated emergency facility. (This assumes that the On-Call individual is unable to respond.)**

- 8.3.1.3.1.1** If the ERO position has been filled, any other personnel calling in to respond to the position will be informed that there are no positions available.

- 8.3.1.3.1.2 If the On-Call individual becomes available, he/she shall call into BVERS and report to their emergency facility.**

- 8.3.1.4** If BVERS determines that a specific ERO position has still not called in, BVERS will perform the following notifications for personnel in that specific ERO position:

- * Call the individual PAX phone numbers of personnel in that specific position,
- * Call the individual Home phone numbers of personnel in that specific position, and
- * Again, activate the individual Beepers for personnel in that specific ERO position.
- * This will continue until the ERO position is filled.

8.3.2 ERO Voice Mail System (ERO-VMS) Notification

NOTE: The ERO-VMS is a typical voice mail system that is used to activate the ERO Beepers and accept personnel call backs in the event that the primary BVERS system is unavailable. The ERO-VMS utilizes the ERF switch and has remote accessing features. There is only one beeper call back number for ERO-VMS.

- 8.3.2.1 Beepers will be activated for ERO notifications with the following Beeper Codes:**

- | | |
|-------------------------------------|--------------|
| * Actual events | "9999995080" |
| * Actual events - Site Inaccessible | "0000005080" |

- 8.3.2.1.1 Only On-Call ERO Team personnel shall call back into the ERO-VMS by dialing 724-682-5080 (PAX 5080).**

- 8.3.2.1.2 ERO-VMS call-back number is listed on the ERO Call-List.**

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8.3.2.2 Beeper Holder Response

8.3.2.2.1 The ERO-VMS will inform you that an emergency has been declared and ask that you provide the following information. If you have not consumed alcohol in the last 5 hours, (personnel must verbally provide this information at the sound of the tone):

- * Your name (please spell last name)
- * ERO position
- * Estimated time of arrival (Time of Day, i.e., 2145 Hrs., 0115 Hrs.)

8.3.2.2.2 If you have consumed alcohol in the last 5 hours, contact an alternate for your emergency position.

NOTE: ERO-VMS has a maximum of 4 incoming lines. As a line becomes available, the next call received will be answered. If no lines are available, a busy signal will be received.

8.4 ERO Response During Working and Non-working Hours

8.4.1 Response During Working Hours

8.4.1.1 "On-Call" ERO Personnel (Primary, Secondary and designated Support (Call-Tree) personnel SHALL respond as follows:

- 8.4.1.1.1** Primary and Secondary responders SHALL call the Beaver Valley Emergency Response System (BVERS) prior to responding to their emergency location (This includes personnel onsite).
- 8.4.1.1.2** ALL "On-Call" ERO personnel SHALL respond to their emergency facility.
- 8.4.1.1.3** Determine manpower needs and supplement, as necessary.

8.4.1.2 All Other ERO Personnel

- 8.4.1.2.1** SHALL report to their emergency facility.
- 8.4.1.2.2** Take direction from the "On-Call" ERO personnel.

8.4.2 Response During Non-Working Hours

8.4.2.1 "On-Call" ERO Personnel

- 8.4.2.1.1** Beeper Holders SHALL call the Beaver Valley Emergency Response System (BVERS) and respond to their emergency location.

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<p>8.4.2.1.2 Determine manpower needs and "call-out" additional personnel, if necessary.</p> <p>8.4.2.2 All Other ERO Personnel</p> <p>8.4.2.2.1 Beeper Holders SHALL remain alert for further instructions (call-out, shift rotation, etc.).</p> <p>8.4.2.2.2 All other ERO personnel will be called-out, if necessary.</p>			

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ERO EXPECTATIONS

Duty Expectations/Pager Response Expectations
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- All ERO personnel shall understand, and adhere to, the requirements of procedure EPP/IP 1.7, Emergency Response Organization (ERO) Teams.
- All ERO personnel assigned ERO Pagers are expected to wear their Pagers at all times when within the Pager Service Area (located on the EPP Webpage/ERO Info) and respond appropriately to messages. The following are some unacceptable responses for NOT responding to Pager messages:
 - Pager left in vibrate when not being worn
 - Pager left in other location too far to hear audible alarm (i.e.: bathroom, shower, etc.)
 - Weak/dead battery
- All ERO notifications initiated by BVERS shall display one of the following messages:
 - 1) "Actual Event-On-Call ERO Team call 724-682-4730", or,
 - 2) "This is a Drill-On-Call ERO Team call 724-682-4730"

(An alternate phone number that may be displayed for BVERS is 330-315-4380)

 - When the above messages are displayed, ALWAYS call the number provided.
 - These are the **ONLY** two alpha messages initiated by BVERS that require ERO response (other alpha messages are for information, or non-ERO response).
- Only On-Call ERO personnel are to initially call-in to BVERS.
- If only the BVERS phone number (724-682-4730 or 330-315-4380) is displayed (BVERS searching to fill a specific ERO position), then any individual receiving this message shall call-in, respond and upon being accepted, report for your position as required.
- For an actual event, or Drill/Exercise, a BVERS Pager message shall be followed by a LOTUS NOTES alpha-numeric message describing the event and emergency declaration time.
- Upon notification, On-Call ERO personnel shall report to their ERO positions as soon as possible, but no later than their assigned response times from the time of the emergency declaration (this includes allowing for Facility activation time).

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Duty Expectations/Pager Response Expectations (cont.)

- On-Call ERO personnel are expected to maintain response times to their respective emergency response facilities (1 or 2 hours from the time of event declaration, not the time of Pager activation).
- For actual events, personnel are to respond appropriately when notified by Pager (via BVERS/Lotus Notes), Plant Page Party System, phone or BVERS phone call. (i.e.: take cover, report to emergency facilities, report to alternate facilities, etc.).
- For Drills or Exercises, personnel are to respond appropriately when notified by Pager (BVERS/Lotus Notes), Plant Page Party System, phone or BVERS phone call (i.e.: take cover, report to emergency facilities, report to alternate facilities, call-in Drill/OST only).
- In the event alphanumeric messaging is not available, ERO Pagers will be activated with one of these message codes:
 - 1) 9999995080 (Actual Event/Site Accessible), On-Call ERO personnel report to their assigned emergency facilities.
 - 2) 0000005080 (Actual Event/Site Inaccessible), On-Call ERO Managers/Coordinators report to the Alternate EOF per procedure.
 - The ERO call-back phone number for this response is 724-682-5080.
- ERO personnel On-Call are expected to maintain fitness-for-duty per 10CFR26.
- For actual events occurring when personnel are at the Site, all ERO personnel are expected to report to their appropriate emergency facility to support the On-Call Team (only On-Call ERO personnel call-in to BVERS).
- ERO personnel are not to call the Control Room upon notification of an emergency, unless specifically requested.
- On-Call ERO personnel are expected to have their FirstEnergy ID Badge and Dosimetry when reporting to their respective facilities.
- If an On-Call ERO member becomes incapable of performing their ERO duties, they are to contact another qualified person for that position and transfer On-Call responsibility. (Notification to EPP personnel of the transfer is per EPP/IP 1.7.).

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ERO EXPECTATIONS

Duty Expectations/Pager Response Expectations (cont.)
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- Emergency Facility Leads should define their expectations for their Team while remaining cognizant of Facility activation timing requirements (i.e.: delegate activities, maintain overview of events, involve the Team in response, etc.).
- ERO personnel must provide information, not just data points, to each other and the Facility Lead, i.e.:
 - Explain the meaning of a data point provided to the Team (i.e.: D/G #1 tripped off vs. D/G #1 tripped off and was the only remain power supply)
- ERO communications shall use three-way communications and noun descriptors.
- Following Actual Events, Drills/Exercises or staffing of Emergency Facilities to provide plant support, each Emergency Facility SHALL conduct and document a critique.
 - The critique will be lead by the Facility Lead.
 - A Condition Report will be written for each Delta (Area For Improvement) as deemed necessary by the Facility Lead.
 - The person presenting the comment warranting the Condition Report SHALL write the Condition Report.
 - Each Delta presented, whether a Condition Report was warranted or not, SHALL have the presenters name written beside the comment.
 - Emergency Preparedness will be notified of each Condition Report written.
- Facility equipment, procedure or supply challenges that occur during Actual Events, Drills or Exercises SHOULD have a resolution attempted during the Actual Event, Drill or Exercise, not simply commented upon during the critique.

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ERO Training and Drill Participation Expectations
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- Attend appropriate Initial ERO Classroom Training for assigned position.
- Attend appropriate Continuing ERO Classroom Training for assigned position.
- Attend assigned ERO Team Drills/Exercises (Drill participation for key ERO positions is tracked as a NRC Performance Indicator.)
- Managers and supervisors shall ensure that each ERO member under their supervision remains fully qualified at all times to respond to an emergency.
- Ensure ERO participation in training and Drills is documented.
- Participate in Drill/Exercise critiques and identify areas for improvement and strengths so appropriate corrective actions can be taken.
- ERO personnel shall initiate Condition Reports, and notify EPP, as necessary.
- ERO personnel shall respond to, or assist EPP personnel, with the response to Condition Reports.
- Ensure their emergency response facility is in a state of readiness prior to leaving the facility.