



FirstEnergy Nuclear Operating Company

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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**  
**Implementing Procedures (Volume 2)**

In accordance with 10 CFR Part 50.4, this letter forwards a recent revision of the Beaver Valley Power Station Emergency Preparedness Plan Implementing Procedures (Volume 2) 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.

If there are any questions on this submittal, please contact Mr. T. S. Cosgrove, Manager, Regulatory Affairs at 724-682-5203.

Sincerely,

Lew W. Myers

- c: Mr. L. J. Burkhart, Project Manager (w/o enclosures)
- Mr. D. M. Kern, Sr. Resident Inspector (w/o enclosures)
- Mr. H. J. Miller, NRC Region I Administrator (2 copies)

A045

## Enclosure

### Revisions to Beaver Valley Power Station Emergency Preparedness Plan (Volume 2)

The following is a brief recap of the changes made to the Emergency Preparedness Plan Implementing Procedure, EPP/IP 1.6.

<b>EPP/IP 1.6 Emergency Operations Facility Activation, Operation and Deactivation – Rev. 14</b>
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<u>PAGE</u>	<u>SECTION</u>	<u>CHANGE</u>	<u>REASON</u>
1	6.0	Added "#01-3759"	Added a new reference to Condition Report 01-3759.
1	C.	Deleted "Assistant to the" and added "or EOF Operations Coordinator".	Condition Report 01-3759.
1	1.1	Added "or determined by the E/RM.	To comply with Administrative Procedure 1/2ADM-0101.
3	Steps 1.1 through 1.3	Old steps replaced with new steps 1.1 and 1.2.	To comply with Administrative Procedure 1/2ADM-0101.
4	1.2.1	New step added.	To comply with Administrative Procedure 1/2ADM-0101.
4	Step 1.4	Old step deleted.	To comply with Administrative Procedure 1/2ADM-0101.

**EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX****INSTRUCTIONS**

<b>EPP/I-1a</b>	Recognition and Classification of Emergency Conditions	Revision 0
<b>EPP/I-1b</b>	Recognition and Classification of Emergency Conditions	Revision 0
<b>EPP/I-2</b>	Unusual Event	Revision 16
<b>EPP/I-3</b>	Alert	Revision 16
<b>EPP/I-4</b>	Site Area Emergency	Revision 16
<b>EPP/I-5</b>	General Emergency	Revision 17

**IMPLEMENTING PROCEDURES****EPP/IP****1 Series - Activation**

1.1	Notification	Revision 27
1.2	Communications and Dissemination of Information	Revision 17
1.3	Turnover Status Checklist ED/ERM	Revision 9
1.4	Technical Support Center (TSC) Activation, Operation and Deactivation	Revision 15
1.5	Emergency Support Center (OSC) Activation, Operation and Deactivation	Revision 13
1.6	Emergency Operations Facility (EOF) Activation, Operation and Deactivation	Revision 14
1.7	Emergency Response Organization (ERO) Teams	Revision 7

**CONTROLLED  
BVPS UNIT 3**

NOVEMBER 15, 2001

**EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX****EPP/IP****2 Series - Assessment**

2.1	Emergency Radiological Monitoring	Revision 10
2.2	Onsite Monitoring for Airborne Release	Revision 10
2.3	Offsite Monitoring for Airborne Release	Revision 10
2.4	Offsite Monitoring for Liquid Release	Revision 8
2.5	Emergency Environmental Monitoring	Revision 9
2.6	Environmental Assessment and Dose Projection Controlling Procedure	Revision 14
2.6.1	Dose Projection - General Methods	Revision 10
2.6.2	Dose Projection - ARERAS/MIDAS With FSAR Defaults	Revision 12
2.6.3	Dose Projection - ARERAS/MIDAS With Real-Time Inputs	Revision 12
2.6.4	Dose Projection - ARERAS/MIDAS With Manual Inputs	Revision 13
2.6.5	Alternate Meteorological Parameters	Revision 10
2.6.6	Dose Projections By Hand Calculator - Known Isotopic Release	Revision 6
2.6.7	Dose Assessment Based on Field Measurements	Revision 7
2.6.8	Dose Assessment Based on Environmental Measurements and Samples	Revision 6
2.6.9	Integrated Dose Assessment	Revision 5
2.6.10	Ground Contamination Assessment and Protective Action	Revision 7

**EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX****EPP/IP****2 Series - Assessment**

2.6.11	Dose Projection - Miscellaneous Data	Revision 10
2.6.12	Dose Projection -ARERAS/MIDAS With Severe Accident Assessment	Revision 9
2.7	Liquid Release Estimate	Revision 6
2.7.1	Liquid Release Estimate - Computer Method	Revision 9

**EPP/IP****3 Series - Onsite Protective Actions**

3.1	Evacuation	Revision 8
3.2	Site Assembly and Personnel Accountability	Revision 9
3.3	Emergency Contamination Control	Revision 7
3.4	Emergency Respiratory Protection	Revision 8
3.5	Traffic and Access Control	Revision 9

**EPP/IP****4 Series - Offsite Protective Actions**

4.1	Recommendation of Offsite Protective Actions	Revision 14
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**EPP/IP****5 Series - Aid to Personnel**

5.1	Search and Rescue	Revision 7
5.2	RESERVED	
5.3	Emergency Radiation Exposure Criteria and Control	Revision 8
5.4	Emergency Personnel Monitoring	Revision 7

**EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX****EPP/IP****6 Series - Re-entry/Recovery**

- |     |   |             |
|-----|---|-------------|
| 6.1 | Re-entry to Affected Areas -<br>Criteria and Guidance | Revision 9  |
| 6.2 | Termination of the Emergency and Recovery             | Revision 10 |

**EPP/IP****7 Series - Maintaining Emergency Preparedness**

- |     |   |             |
|-----|---|-------------|
| 7.1 | Emergency Equipment Checklist<br>and Maintenance Procedure            | Revision 13 |
| 7.2 | Administration of Emergency Preparedness<br>Plan Drills and Exercises | Revision 8  |

**EPP/IP****8 Series - Fire Fighting**

- |     |  |             |
|-----|--|-------------|
| 8.1 | Fires in Radiologically Controlled Areas | Revision 10 |
|-----|--|-------------|

**EPP/IP****9 Series - Nuclear Communications**

- |     |   |             |
|-----|---|-------------|
| 9.1 | Emergency Public Information<br>Emergency Response Organization<br>Controlling Procedure  | Revision 10 |
| 9.2 | Reserved  |             |
| 9.3 | Activation, Operation and Deactivation<br>of the Emergency Public Information Organization<br>Emergency Operations Facility (EOF) | Revision 3  |
| 9.4 | Activation, Operation and Deactivation<br>of the Joint Public Information Center (JPIC)   | Revision 5  |
| 9.5 | Activation, Operation and Deactivation<br>of the Penn Power Customer Account<br>Services Department                               | Revision 5  |

**EPP/IP****10 Series - Corporate Response**

- |      |  |            |
|------|--|------------|
| 10.1 | Emergency Response Organization<br>Corporate Support | Revision 3 |
|------|--|------------|

**EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX**

<b>EPP/IP</b>	<b><u>ANNEXES</u></b>	
Annex A -	Emergency Response Plan, Water Reactor Division Westinghouse Electric Corporation	Revision 8
Annex B -	DELETED	
Annex C -	Major Injury Involving Radioactive Contamination - The Medical Center, Beaver	Revision 9
Annex D -	Procedure for Transferring Radiation Casualties to the Department of Radiation Health - Presbyterian Hospital	
Annex E -	Reserved	

# Beaver Valley Power Station

Unit 1/2

EPP/IP 1.6

Emergency Operations Facility Activation, Operation and Deactivation

Document Owner  
Manager, Emergency Preparedness

Revision Number	14
Level Of Use	In-Field Reference
Safety Related Procedure	Yes

**CONTROLLED  
BVPS UNIT 3**

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## EFFECTIVE INDEX

Issue 8 Rev.	0	OSC Approved	3-17-87
	1	OSC Approved	4-12-90
Issue 9 Rev.	0	Non-Intent Revision	10-9-90
	1	Non-Intent Revision	6-28-91
	2	Non-Intent Revision	12-29-92
	3	Non-Intent Revision	2-9-93
Rev.	5	Non-Intent Revision	1-1-94
	6	Non-Intent Revision	11-15-94
	7	Non-Intent Revision	12-8-95
	8	Non-Intent Revision	4-3-96
	9	Non-Intent Revision	6-17-97
Rev.	10	Non-Intent Revision	1-1-98
	11	Non-Intent Revision	4-1-98
	12	Non-Intent Revision	12-2-99
	13	Non-Intent Revision	8-8-01
	14	Non-Intent Revision	11-15-01

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## A. PURPOSE

This procedure provides guidance for the Emergency Operations Facility (EOF) staff in the activation, operation and deactivation of the Emergency Operations Facility and the Alternate EOF.

## 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 NUREG-1394 "Emergency Response Data System (ERDS) Implementation".
- 6.0 Condition Reports #00-2202, #01-3759

## C. RESPONSIBILITIES

The E/RM is responsible for ensuring the actions in Section E.1.1 and E.1.2 are completed. The Assistant to the E/RM or EOF Operations Coordinator, under the direction of the E/RM, is responsible for the actions outlined in Attachment 3 of this IP. The Support Services Manager is responsible for the completion of Attachment 1 to this IP. This attachment shall be completed for each contractor/vendor arriving onsite during an emergency response. The Offsite Agency Liaison is responsible for the actions outlined in Attachment 4 and Attachment 2, if applicable.

## D. ACTION LEVELS/PRECAUTIONS

### 1.0 ACTION LEVELS

- 1.1 An emergency condition, classified as Site Area or General Emergency has been declared at Beaver Valley Power Station Unit 1, Unit 2 or as requested by the Emergency Director or determined by the E/RM.

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## NOTE:

If this procedure is being implemented from the AEOF, ensure the ERDS link(s) to the NRC have been activated per Attachment 2 of this procedure. NUREG-1394 requires activation of the ERDS link(s) within one (1) hour of the declaration of an Alert or higher classification.

## 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 The Emergency Operations Facility (EOF) must be activated should an emergency condition be classified as a Site Area or General Emergency. However, the EOF may be activated upon the direction of the Emergency/Recovery Manager in conjunction with the Emergency Director. This activation may occur at any classification providing the minimum requirements outlined in Section E.1.0 of this IP are met.

2.2 The Emergency Operations Facility will provide the following functions:

- \* Overall management of licensee resources in response to an emergency having actual or potential environmental consequences.
- \* Additional support to the TSC and reactor operators in the Control Room.

### NOTE:

Upon EOF activation, EA&DP functions being performed by the TSC will become EOF responsibilities.

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## E. PROCEDURE

### NOTE:

The EOF should be activated as soon as possible, but, in all cases, within one (1) hour of a SITE AREA EMERGENCY 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.

### 1.0 ACTIVATION

1.1 Upon declaration of an ALERT or higher emergency, the Emergency/Recovery Manager (E/RM) **SHALL**:

1.1.1 Inform the Emergency Director the EOF is ready for activation when sufficient staffing is available and the necessary emergency equipment is energized or operable.

- The E/RM and the EA&DP Coordinator **SHALL** determine that the necessary emergency equipment and communications systems are available for minimum staffing.
- The Assistant to the E/RM or the EOF Operations Coordinator (if they are present) **MAY** use Attachment 3 to determine that sufficient staffing is available.
- The Offsite Agency Liaison, in conjunction with the EOF Computer Operator, if present, **MAY** use Attachment 4 "Offsite Agency Liaison - Activation Checklist" to determine that the necessary emergency equipment is energized or operational.

1.1.2 Report to the Technical Support Center (TSC) and receive a briefing/turnover from the Emergency Director (using EPP/IP 1.3, "Turnover Status Checklist", if necessary).

1.2 The Emergency/Recovery Manager, or designee **SHALL** declare the EOF operational and inform the TSC Emergency Director.

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1.2.1 Announce the formal activation of the EOF over the following:

- ERF Building Page
- Operations and RadCon headset circuits.
- Plant Page Party System

## 2.0 OPERATION

### NOTE:

If access to the EOF is restricted due to radiological or other conditions, the EOF personnel shall relocate to the Alternate EOF (Attachment 2 of this procedure) until such time as access is available. The AEOF is provided with emergency equipment and materials to support initial response.

If problems are EOF specific, EOF personnel may co-locate with TSC personnel (in the TSC or other locations within the ERF Building) and not report to the AEOF.

If the TSC is inaccessible, TSC personnel will relocate per EPP/IP 1.4, Attachment 4, "Guidance For ERF Evacuation/Inaccessible".

- 2.1 The Emergency Operations Facility is located in the Emergency Response Facility. Equipment and facilities required for the implementation of the BVPS EPP are located in the EOF, including dedicated communication circuits.
- 2.2 Some of the EOF equipment will fall under the guidance of EPP/IP 1.4 "Technical Support Center Activation, Operation and Deactivation" and EPP/IP 1.2 "Communication and Dissemination of Information".
- 2.3 The functional responsibilities of the individual EOF personnel are identified in Section 5 of the BVPS Emergency Preparedness Plan.

## 3.0 DEACTIVATION

- 3.1 Upon joint concurrence from the Emergency Director and the Emergency/Recovery Manager, the EOF shall be deactivated.
- 3.2 Provisions shall be made with the Emergency Director to transfer responsibilities back to the TSC or a Recovery Organization per EPP/IP 6.2 "Termination of the Emergency and Recovery".
- 3.3 Emergency equipment/supplies shall be deactivated and restored to preactivation status.

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## F. FINAL CONDITIONS

This procedure shall be terminated after the following conditions have been met.

- 1.0 All records generated during the response have been provided to the Offsite Agency Liaison who will forward the records to Emergency Preparedness.
- 2.0 All functional equipment/supplies have been restored to preactivation status.
- 3.0 The EOF staff has been relieved of all duties associated with the operation of the EOF.
- 4.0 When normal operations are restored, or a recovery organization has been established.

## G. ATTACHMENTS

- 1.0 CONTRACTOR/VENDOR AUGMENTATION PERSONNEL ASSIGNMENT (Example)
- 2.0 ALTERNATE EMERGENCY OPERATIONS FACILITY  
FIGURE 1 - DIRECTIONS TO ALT. EOF
  - 2.1 AEOF EQUIPMENT ACTIVATION CHECKLIST
  - 2.2 AEOF ARERAS ACTIVATION/DEACTIVATION PROCEDURE
  - 2.3 ERDS ACTIVATION FROM THE AEOF
- 3.0 EOF STAFFING CHECKLIST (Example)
- 4.0 OFFSITE AGENCY LIAISON - ACTIVATION CHECKLIST (Example)

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## CONTRACTOR/VENDOR AUGMENTATION PERSONNEL ASSIGNMENT (Example)

- 1) Name: \_\_\_\_\_
- 2) SSN: \_\_\_\_\_
- 3) Parent Company: \_\_\_\_\_
- 4) Occupation or Title: \_\_\_\_\_
- 5) You have been assigned to assist in emergency response activities at:  
\_\_\_\_\_  
(Location)
- 6) At this location, you will report to: \_\_\_\_\_  
(Name)  
\_\_\_\_\_  
(Title)
- 7) You are expected to report at \_\_\_\_\_ am/pm on \_\_\_\_\_  
(Date)
- 8) You will serve in the following capacity: \_\_\_\_\_  
\_\_\_\_\_
- 9) You will (will not) attend training at \_\_\_\_\_  
(Location)  
at \_\_\_\_\_ am/pm on \_\_\_\_\_  
(Date)

### NOTE:

While you are performing emergency response or recovery efforts at the Beaver Valley Power Station, you will be expected to follow approved BVPS procedures, unless otherwise directed by BVPS Supervisory personnel. Vendor procedures and/or procedures of other utilities shall not be used at BVPS unless their use is specifically approved by the BVPS Onsite Safety Committee. THERE SHALL BE NO EXCEPTION TO THIS RULE. No onsite information shall be released to the news media or to members of the public except by BVPS Nuclear Communications personnel. If you are approached by news media personnel, refer all questions to the BVPS Joint Public Information Center.

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**ALTERNATE EMERGENCY OPERATIONS FACILITY**

**A. PURPOSE**

The purpose of this attachment is to describe the activation of the Alternate Emergency Operations Facility (AEOF). Instructions will be provided for activation of the Alternate EOF during day-light working hours, for activation during non-day-light hours, and when the Joint Public Information Center (JPIC) is activated. Additionally, this procedure addresses activation of the ERDS Computer from the AEOF.

**B. REFERENCES**

NUREG 0696 - "Functional Criteria for Emergency Response Facilities"  
 NUREG 1396 - "Emergency Response Data System (ERDS)" Implementation"

**C. RESPONSIBILITIES**

The Offsite Agency Liaison, or designee, under the direction of the Emergency/Recovery Manager is responsible for activating the Alternate EOF.

**D. ACTION LEVEL/PRECAUTION**

1.0 Action Level

1.1 A situation exists at the Beaver Valley Power Station which requires relocation of the EOF staff due to radiological or plant conditions.

or

Access to the Emergency Operations Facility is blocked due to radiological or other restrictive conditions.

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**ALTERNATE EMERGENCY OPERATIONS FACILITY**

**E. PROCEDURE**

1.0 Alternate EOF activation (ERF Building activated/JPIC not activated).

**NOTE:**

The TSC and EOF are already staffed and activated. (EOF Evacuation)

**NOTE:**

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

1.1 Upon direction by the Emergency/Recovery Manager (in conjunction with the Emergency Director), EOF personnel shall transfer appropriate responsibilities to the TSC, OSC, or Control Room, (overall command and control, dose projections, etc.) prior to proceeding to the AEOF. Managers, Coordinators, Liaisons, Offsite Agencies, etc. shall proceed to the AEOF. Assistants will report to Assembly Areas, or home, as instructed by their respective Emergency Coordinators.

1.2 Proceed to the AEOF per Figure 1.

**NOTE:**

Designated personnel have been authorized by BVPS Security, notified and provided access to the JPIC Bldg.

1.3 Emergency/Recovery Managers and Offsite Agency Liaisons are pre-designated personnel possessing key-card access and shall enter the JPIC via the key-card door south entrance.

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## ALTERNATE EMERGENCY OPERATIONS FACILITY

### NOTE:

There are two key-card readers outside the JPIC door. One card reader unlocks the door and the other card reader deactivates the alarm.

- 1.4 Personnel shall place their key-card onto the "Alarm" card reader first to deactivate the alarm system (green light). Then, place key-card on "Door" card reader and open door. (Additional instructions are on outside and inside of the door.)
- 1.5 Proceed to the AEOF. Using the key from the Break-glass Box by the AEOF door, unlock the door across from the Media Workroom (not the door in the Media Presentation Area).
- 1.6 Go the end of the hall and open the door to the north entrance and place the magnetic "Entrance" sign on the outside of the door. All personnel shall enter via this door.
- 1.7 All AEOF personnel shall park in the area shown in Figure 1.
- 1.8 All AEOF personnel shall show their BVPS ID card to Security at the AEOF door (same format as the ERF).
- 1.9 Use Attachment 2.1 "AEOF Equipment Activation Checklist", to activate facility lighting and communications, if necessary.
- 1.10 Contact the Emergency Director (and other applicable personnel at the appropriate locations) and transfer designated responsibilities back to AEOF personnel.

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### ALTERNATE EMERGENCY OPERATIONS FACILITY

#### 2.0 Alternate EOF activation (JPIC activated).

**NOTE:**

The TSC and EOF are already staffed and activated (EOF Evacuation).

- 2.1 Upon direction by the Emergency/Recovery Manager (in conjunction with the Emergency Director), EOF personnel shall transfer appropriate responsibilities to the TSC, OSC, or Control Room, (overall command and control, dose projections, etc.) prior to proceeding to the AEOF. Managers, Coordinators, Liaisons, Offsite Agencies, etc. shall proceed to the AEOF. Assistants will report to Assembly Areas, or home per their respective Emergency Coordinators.
- 2.2 AEOF personnel shall park in the area shown in Figure 1.
- 2.3 Personnel shall enter the door labeled "Entrance" and present their BVPS ID card to Security at the building entrance.
- 2.4 Upon entering, proceed down the hall to the AEOF and present your BVPS ID card to BVPS Security at the Alt. EOF door (same format as the ERF).
- 2.5 Use Attachment 2.1, "AEOF Equipment Activation Checklist", to activate facility lighting and communications, if necessary.
- 2.6 Activate ERDS per Attachment 2.3.
- 2.7 Contact the Emergency Director (and other applicable personnel at the appropriate locations) and transfer designated responsibilities to Alt. EOF personnel.

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## ALTERNATE EMERGENCY OPERATIONS FACILITY

### 3.0 Alternate EOF activation (ERF Building not activated/JPIC not activated).

#### NOTE:

The TSC and EOF are not staffed or activated. This may occur during off-hours or upon immediate declaration of an Alert (or greater classification) if the EOF is inaccessible or can not perform its function.

#### NOTE:

BVPS Security will dispatch personnel to the AEOF instead of the ERF Building. BVPS Security personnel will be posted inside the JPIC Building, but remain outside the AEOF door for access control. Security personnel will continue to use the "ERF Building EPP Security and Dosimetry Issuance Log" to allow personnel access to the AEOF.

- 3.1 Upon notification that the Site is inaccessible and to report to the Alternate Emergency Facility via beepers, plant page or by phone, EOF On-Call Beeper Holders shall report to the AEOF per Figure 1 and determine the requirements for additional personnel.

#### NOTE:

Designated personnel have been authorized and notified by Nuclear Communications and provided access to the JPIC Bldg..

- 3.2 Emergency/Recovery Manager and Offsite Agency Liaisons are pre-designated personnel possessing key-card access shall enter the JPIC via the key-card door south entrance.

#### NOTE:

There are two key-card readers outside the JPIC door. One card reader unlocks the door and the other card reader deactivates the alarm.

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**ALTERNATE EMERGENCY OPERATIONS FACILITY**

- 3.3 Personnel shall place their key-card onto the "Alarm" card reader first to deactivate the alarm system (green light). Then, place key-card on "Door" card reader and open door. (Additional instructions are on outside and inside of the door.)
- 3.4 Proceed to AEOF using the key from the Break-glass Box by the AEOF door, unlock door across from the Media Workroom (not the door in the Media Presentation Area).
- 3.5 Go the end of the hall and open the door to the north entrance and place the magnetic "AEOF Entrance" sign on the outside of the door. All personnel shall enter via the north door by the parking area.
- 3.6 All AEOF personnel shall park in the area shown in Figure 1.
- 3.7 All AEOF personnel shall show their BVPS ID card to Security at the AEOF door (same format as the ERF).
- 3.8 Use Attachment 2.1, "AEOF Equipment Activation Checklist", to activate facility lighting and communications, if necessary.
- 3.9 Activate ERDS per Attachment 2.3.
- 3.10 Contact the Emergency Director (and other applicable personnel at the appropriate locations) and transfer designated responsibilities to AEOF personnel.
- 4.0 Deactivation
  - 4.1 The AEOF shall be deactivated upon the direction of the Emergency/Recovery Manager and provisions should be made to transfer responsibilities back to the ERF or Control Room.
  - 4.2 Emergency equipment/supplies shall be deactivated and restored to preactivation status.

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## ALTERNATE EMERGENCY OPERATIONS FACILITY

- 4.3 All records generated during the response have been provided to the Offsite Agency Liaison who will forward the records to Emergency Preparedness.

### **F. FINAL CONDITIONS**

- 1.0 Radiological and/or plant conditions have been returned to normal.
- 2.0 The EOF has become habitable and a recovery organization established, if needed.
- 3.0 The last individual to exit the JPIC Building should re-activate the alarm system per instructions by the alarm box.

### **G. FIGURES**

- 1.0 Directions to Alternate EOF

### **H. ATTACHMENTS**

- 2.1 AEOF Equipment Activation Checklist (Example)
- 2.2 AEOF ARERAS Activation/Deactivation Procedure
- 2.3 ERDS Activation From the AEOF

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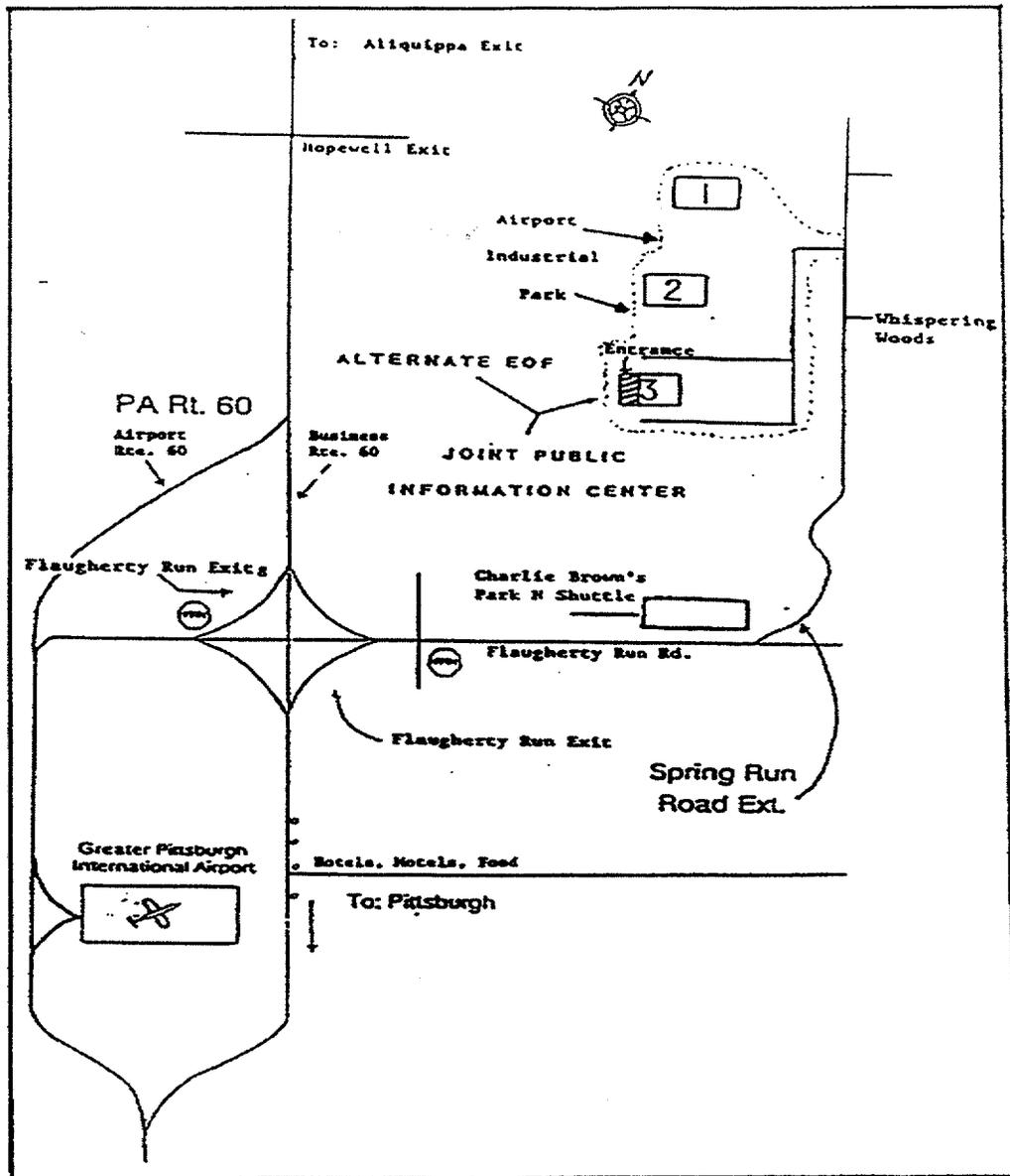
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**Figure 1**

## DIRECTIONS TO ALT. EOF



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**Attachment 2.1**  
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## AEOF EQUIPMENT ACTIVATION CHECKLIST

### - JPIC BUILDING LIGHTING

If there is inadequate lighting in the JPIC or AEOF area, go to the Loading Dock area. On the wall opposite the entrance to the Loading Dock are the breaker panels. Open the last breaker box panel on the right and turn on appropriate breakers (breakers are labeled).

### - CHECK PAX PHONES

If some PAX phones do **not** work, go to the TELECOMMUNICATIONS ROOM (the AEOF key will open this door) and throw the switch labeled AEOF "ON/OFF". This switch is located on the right wall approximately 10' from the door and approximately 6' off the ground. Some PAX phones are transferred from the EOF to the AEOF by this switch. If all PAX phones are operational, the switch is already "ON".

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## AEOF EQUIPMENT ACTIVATION CHECKLIST

### ACTIVATE THE OPERATIONS AND RADCON RINGDOWN PHONES AND HEADSET CIRCUITS.

#### NOTE:

The OPERATIONS RINGDOWN PHONE will ONLY contact the Control Room. The RADCON RINGDOWN PHONE will ONLY contact the OSC via the EA&DP RSO line and the U1 and U2 Rad Monitor panels. No communications are possible with the ERF Building via the RINGDOWN lines.

### ACTIVATE ERDS (IF NOT ALREADY DONE).

Activate ERDS per EPP/IP 1.6, EMERGENCY OPERATIONS FACILITY ACTIVATION, OPERATION AND DEACTIVATION, Attachment 2.

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Attachment 2.2

## AEOF ARERAS ACTIVATION/DEACTIVATION PROCEDURE

### ACTIVATION

- 1) Turn on ARERAS capable computer, if not already on.
- 2) Double click Dose Projection icon.
- 3) At the prompt type:
  - ATDT 5090, or
  - ATDT 5573, or
  - ATDT 5657, or
  - ATDT 5659

(the specific PAX Phone number for accessing ARERAS from the AEOF).
- 4) When the word "**Connect**" appears on the screen, strike the Return key two times quickly.
- 5) This completes the LOGON process for ARERAS from the AEOF. Follow normal procedures (e.g.: EPP/IP 2.6.2 FSAR Defaults, EPP/IP 2.6.3 Real-Time Inputs, EPP/IP 2.6.4 Manual Inputs or EPP/IP 2.6.12 Severe Accident Assessment)

### DEACTIVATION

- 1) Exit the ARERAS program normally.
- 2) When the words "**No Carrier**" appear on the screen, the modem connection has been terminated.
- 3) Shut down the computer.
- 4) Turn off the computer.

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## ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM FROM THE AEOF

### NOTE:

If the ERDS Link(s) cannot be activated for any reason, inform the Emergency/Recovery Manager that the ERDS Link(s) are out of service and backup phone communications using EPP/IP 1.4 as guidance with the NRC should be established.

- 1.0 Obtain the necessary logon information (Username and password) from the envelope in the file cabinet containing the EPP/IP's. The information is maintained in an envelope on the inside of the top drawer.

### NOTE:

Before attempting to power on the equipment, verify that the unit is powered off by pressing any key--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 or depressing a key, then the NCD19C X terminal is either broken or powered off.

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

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<b>ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM FROM THE AEOF</b>
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- 1.2 If not already powered on, turn on the HP LaserJet IIIIP laser printer using the power switch located on the right side of the unit.

After turning on power to the HP LaserJet IIIIP, the printer will perform a series of power-on self tests. If the power on self test 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 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.

- 1.3 If not already powered on, turn on both of the Telebit T3000 modems using the power switch located on the left rear of each unit.

- 1.4 After completing the power on self tests, the modems will automatically connect with the corresponding modems located in the ERF Computer Room.

While attempting this connection process, you will be able to hear the modem "training" sequence. When a successful connection has been established, the modem speaker will be turned off and the modem will operate silently.

If a connection is successfully established, then the following status indicators on the front panel of the modem should be illuminated:

\* MR \* OH \* CD \* DTR \* RTS \* CTS

Under normal phone line conditions, the HS and EC lights should also be lit. Under poor phone line conditions, these two lights may not be illuminated.

- 1.5 The NCD19C is configured to automatically display a serial terminal session on the NCD19C X terminal after boot up. Press <RETURN> until the VMS logon prompt appears on the display screen.

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## ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM FROM THE AEOF

- 1.6 Enter the appropriate information from the card and press <RETURN> in response to the "Username:" prompt.
- 1.7 Enter the current password from the card and press <RETURN> in response to the "Password" prompt.
- If the correct user name and password were entered, then the VMS system prompt (\$) will appear on the display screen.
- 1.8 Enter "XINTREMOTE" to initiate the XRemote X windows server. After two or three minutes, 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.

### NOTE:

If either of the phone lines between the AEOF and the ERF Computer Room are inadvertently lost, depress and release the T/D button located on the front panel of the Telebit T3000 modem and return to Step 1.4 and repeat the necessary steps.

- 1.9 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.
- 1.10 Position the pointer to the lower left hand corner, double click on the "BVERDS" icon.
- 1.11 Position the pointer to "Applications" from the pop-up Session Manager menu. Click on "Applications" and select "DECterm" from the pop-up menu.
- 1.12 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.

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## ACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM FROM THE AEOF

- 1.13 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".
- 1.14 Position the 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 an Alert declaration or higher, repeat steps 1.11 thru 1.14 for the opposite unit.

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## EOF STAFFING CHECKLIST

### NOTE:

This checklist is provided to aid the Assistant to the E/RM in the performance of his/her duties and determining the state of readiness of the EOF for activation. It is not intended to replace any portion of this IP.

### NOTE:

Discuss staffing with the Technical Support Coordinator using the BVERS printout.

### Initials

### Activity

- \_\_\_\_\_ 1. Review EOF staffing. Inform the E/RM when sufficient EOF staff members have arrived. Depending on the emergency conditions, personnel necessary for the EOF may vary. Listed below is the suggested minimum staffing.

### Title

_____	_____	* Emergency/Recovery Manager	_____
_____	_____	* EA&DP Coordinator	_____

- \_\_\_\_\_ 2. Obtain a copy of the Emergency Preparedness Plan and Implementing Procedures from EOF Cabinet #1.
- \_\_\_\_\_ 3. Update the EOF Event Classification status board.
- \_\_\_\_\_ 4. Prepare memo to E/RM providing status of EOF staffing.
- \_\_\_\_\_ 5. Identify problems and indicate action initiated to resolve.

\* Designates minimum positions per the Emergency Plan.

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## EOF STAFFING CHECKLIST

### COMMENTS:

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## OFFSITE AGENCY LIAISON - ACTIVATION CHECKLIST

### NOTE:

This checklist is provided as an aid for the Offsite Agency Liaison in the performance of his/her duties and determining the state of readiness of the EOF for activation. It is not intended to replace any portion of this IP.

### Initials

### Activity

- \_\_\_\_\_ 1. Distribute supply envelopes to each EOF location.
- \_\_\_\_\_ 2. Set up E/RM public address system (if applicable).
- \_\_\_\_\_ 3. In conjunction with the EOF Computer Operator, determine if the following is energized or operable and inform the E/RM.
  - Audio Communications to TSC and Control Room (PAX and/or Bell lines, Ops Circuit and RadCon Circuit) \_\_\_\_\_
  - SPDS/Unit Computer System \_\_\_\_\_
  - ERDS (AEOF only) \_\_\_\_\_
- \_\_\_\_\_ 4. Prepare speed memo to E/RM providing status of EOF equipment.
- \_\_\_\_\_ 5. Identify problems and indicate action initiated to resolve.

### NOTE:

Be prepared to brief personnel arriving.

### COMMENTS:

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FirstEnergy Nuclear Operating Company

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December 13, 2001  
L-01-150

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

**Subject: Beaver Valley Power Station, Unit No. 1**  
**Docket No. 50-334, License No. DPR-66**  
**Change of Status of Licensed Operator, 10 CFR 50.74**

The purpose of this letter is to notify the NRC of a license withdrawal requested by FirstEnergy Nuclear Operating Company in accordance with 10 CFR 50.74(a). Mr. David T. Topper (License No. OP-10313-3, Docket No. 55-60545) no longer has a need to maintain his Reactor Operator license, as he is no longer employed at Beaver Valley Power Station. Please withdraw this license, as stated, as of November 22, 2001.

Should you have any questions concerning this formal request for license withdrawal, please contact Mr. Chris P. Hynes, Superintendent, Operations Training at (724) 682-5751.

Sincerely,

*Robert E. Donnellan*  
FOR

Lew W. Myers

- c: Mr. L. J. Burkhart, Project Manager  
Mr. D. M. Kern, Sr. Resident Inspector  
Mr. R. J. Conte, Chief, Operator Licensing and  
Human Performance Branch  
Mr. H. J. Miller, NRC Region I Administrator