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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**

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 – Procedure revisions

c: Mr. T. G. Colburn, NRR Senior Project Manager (w/o Enclosure 2)
Mr. P. C. Cataldo, NRC Sr. Resident Inspector (w/o Enclosure 2)
Mr. H. J. Miller, NRC Region I Administrator (2 copies)

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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:

1/2-EPP-IP-1.3 TURNOVER STATUS CHECKLIST

Revision 10 standardized the format to be consistent with EP procedures and made various organization/position title changes. For Step 8.3: "TSC/EOF" was replaced with "Emergency Facilities," a status check for the alternate facilities was added, and a Note was added regarding synchronizing the clocks in the emergency facilities.

1/2-EPP-IP-2.5 EMERGENCY ENVIRONMENTAL MONITORING

Revision 12 added Attachment A, "Emergency Environmental Monitoring Checklist" and included references to Attachment A throughout the procedure.

1/2-EPP-IP-2.6.1 DOSE PROJECTION – BACKUP METHODS

Revision 12 standardized the format to be consistent with EP procedures. A new step (8.9.1) was added to include Unusual Event criteria. The Worksheet Listing was deleted from the Attachment section since the worksheets have been replaced with forms, and references to worksheets throughout the procedure now reference the new forms. The new forms are now listed in Section 4.0. The former Attachment 1 is now Attachment A.

1/2-EPP-IP-3.2 SITE ASSEMBLY AND PERSONNEL ACCOUNTABILITY

Revision 15 corrected Step 8.1.1.1 to perform Attachment D rather than just Form 1/2-EPP-IP-3.2.F02. A typo in the form number in the Note under Section 8.3 was also corrected.

1/2-EPP-IP-10.1 EMERGENCY RESPONSE ORGANIZATION CORPORATE SUPPORT

Revision 4 standardized the format to be consistent with EP procedures.

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

1/2-EPP-I-1a	Recognition and Classification of Emergency Conditions	Revision 4
1/2-EPP-I-1b	Recognition and Classification of Emergency Conditions	Revision 4
1/2-EPP-I-2	Unusual Event	Revision 19
1/2-EPP-I-3	Alert	Revision 18
1/2-EPP-I-4	Site Area Emergency	Revision 18
1/2-EPP-I-5	General Emergency	Revision 19

IMPLEMENTING PROCEDURES

1/2-EPP-IP	<u>1 Series - Activation</u>	
1.1	Notification	Revision 31
1.2	Communications and Dissemination of Information	Revision 19
1.3	Turnover Status Checklist ED/ERM	Revision 10
1.4	Technical Support Center (TSC) Activation, Operation and Deactivation	Revision 21
1.5	Operations Support Center (OSC) Activation, Operation and Deactivation	Revision 15
1.6	Emergency Operations Facility (EOF) Activation, Operation and Deactivation	Revision 17
1.7	Emergency Response Organization (ERO) Teams	Revision 14

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BVPS-UNIT 3**

REVISION 64

EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX**1/2-EPP-IP****2 Series - Assessment**

2.1	Emergency Radiological Monitoring	Revision 12
2.2	Onsite Monitoring for Airborne Release	Revision 13
2.3	Offsite Monitoring for Airborne Release	Revision 14
2.4	Offsite Monitoring for Liquid Release	Revision 9
2.5	Emergency Environmental Monitoring	Revision 12
2.6	Environmental Assessment and Dose Projection Controlling Procedure	Revision 15
2.6.1	Dose Projection - Backup Methods	Revision 12
2.6.2	Dose Projection - ARERAS/MIDAS With FSAR Defaults	Revision 13
2.6.3	Dose Projection - ARERAS/MIDAS With Real-Time Inputs	Revision 13
2.6.4	Dose Projection - ARERAS/MIDAS With Manual Inputs	Revision 14
2.6.5	Alternate Meteorological Parameters	Revision 11
2.6.6	Dose Projections By Hand Calculation - Known Isotopic Release	Revision 7
2.6.7	Dose Assessment Based on Field Measurements	Revision 8
2.6.8	Dose Assessment Based on Environmental Measurements and Samples	Revision 7
2.6.9	Integrated Dose Assessment	Revision 7
2.6.10	Ground Contamination Assessment and Protective Action	Revision 8

EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX**1/2-EPP-IP****2 Series - Assessment**

- | | | |
|--------|--|-------------|
| 2.6.11 | Dose Projection - Miscellaneous Data | Revision 11 |
| 2.6.12 | Dose Projection -ARERAS/MIDAS
With Severe Accident Assessment | Revision 10 |
| 2.7 | Liquid Release Estimate | Revision 8 |
| 2.7.1 | Liquid Release Estimate -
Computer Method | Revision 10 |

1/2-EPP-IP**3 Series - Onsite Protective Actions**

- | | | |
|-----|--|-------------|
| 3.1 | Evacuation | Revision 8 |
| 3.2 | Site Assembly and Personnel Accountability | Revision 15 |
| 3.3 | Emergency Contamination Control | Revision 8 |
| 3.4 | Emergency Respiratory Protection | Revision 9 |
| 3.5 | Traffic and Access Control | Revision 10 |

1/2-EPP-IP**4 Series - Offsite Protective Actions**

- | | | |
|-----|----------------------------|-------------|
| 4.1 | Offsite Protective Actions | Revision 17 |
|-----|----------------------------|-------------|

1/2-EPP-IP**5 Series - Aid to Personnel**

- | | | |
|-----|---|------------|
| 5.1 | Search and Rescue | Revision 8 |
| 5.2 | RESERVED | |
| 5.3 | Emergency Exposure Criteria and Control | Revision 9 |
| 5.4 | Emergency Personnel Monitoring | Revision 9 |

EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX**1/2-EPP-IP****6 Series - Re-entry/Recovery**

- 6.1 Re-entry to Affected Areas - Criteria and Guidance Revision 10
- 6.2 Termination of the Emergency and Recovery Revision 11

1/2-EPP-IP**7 Series - Maintaining Emergency Preparedness**

- 7.1 Emergency Equipment Inventory and Maintenance Procedure Revision 17
- 7.2 Administration of Emergency Preparedness Plan, Drills and Exercises Revision 9
- 7.3 Emergency Preparedness Testing Revision 0

1/2-EPP-IP**8 Series - Fire Fighting**

- 8.1 Fires in Radiologically Controlled Areas Revision 11

1/2-EPP-IP**9 Series - Nuclear Communications**

- 9.1 Emergency Public Information Emergency Response Organization Controlling Procedure Revision 12
- 9.2 Reserved
- 9.3 Activation, Operation and Deactivation of the Emergency Public Information Organization Emergency Operations Facility (EOF) Revision 6
- 9.4 Activation, Operation and Deactivation of the Joint Public Information Center (JPIC) Revision 11
- 9.5 Activation, Operation and Deactivation of the Penn Power Customer Account Services Department Revision 8

1/2-EPP-IP**10 Series - Corporate Response**

- 10.1 Emergency Response Organization Corporate Support Revision 4

EPP/IMPLEMENTING PROCEDURES - EFFECTIVE INDEX**1/2-EPP-IP ANNEXES**

- | | | |
|-----------|---|-------------|
| Annex A - | Westinghouse Emergency Response Plan | Revision 8 |
| Annex B - | DELETED | |
| Annex C - | Major Injury Involving Radioactive Contamination For The Medical Center, Beaver | Revision 10 |
| Annex D - | Procedure for Transferring Radiation Casualties to the Radiation Emergency Response Program (UPMC Presbyterian) | Revision 8 |
| Annex E - | Reserved | |

Beaver Valley Power Station

Unit 1/2

1/2-EPP-IP-1.3

TURNOVER STATUS CHECKLIST

Document Owner
Manager, Emergency Preparedness

Revision Number	10
Level Of Use	General Skill Reference
Safety Related Procedure	Yes

CONTROLLED
BVPS UNIT 3

Beaver Valley Power Station

Procedure Number:
1/2-EPP-IP-1.3

Title:

TURNOVER STATUS CHECKLIST

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1/2-EPP-IP-1.3

Title:

TURNOVER STATUS CHECKLIST

Unit:

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Level Of Use:

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1.0 PURPOSE

1.1 This procedure is a turnover status checklist designed to ensure all applicable information is provided during turnovers. Personnel expected to use this IP are the Onshift Emergency Director (SM), the TSC Emergency Director and the EOF Emergency Recovery Manager.

2.0 SCOPE

2.1 Upon notification of an Alert or higher emergency classification, the on-call Emergency Director shall do at least one of the following:

2.1.1 Proceed to the Control Room, or

2.1.2 Contact the SM/ED via cell phone, direct ringdown phone, or other available communications, and

2.1.3 Obtain the information to complete the turnover status checklist with the on-duty SM/Emergency Director.

2.2 Upon arrival at the ERF, the on-call Emergency/Recovery Manager should proceed to the TSC and begin completing the turnover status checklist with the Emergency Director.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Condition Reports

- 00-2202

3.2 Commitments

3.2.1 None

4.0 RECORDS AND FORMS

4.1 Records

4.1.1 This procedure becomes a QA record once completed.

4.2 Forms

4.2.1 None

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TURNOVER STATUS CHECKLIST

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5.0 RESPONSIBILITIES

5.1 Emergency Director and/or the Emergency Recovery Manager

- 5.1.1 Is responsible for completing this checklist.

6.0 PRECAUTIONS AND LIMITATIONS

6.1 Precautions

- 6.1.1 The turnover status checklist provides only general type emergency information. The Shift Manager/Emergency Director should provide any other important specific information necessary to ensure a complete turnover.

- 6.1.2 If the Site or Control Room are inaccessible, this turnover checklist may be completed via Telecommunications.

6.2 Limitations

- 6.2.1 None

7.0 PREREQUISITES

- 7.1 An emergency condition, requiring TSC and/or EOF activation has been declared at the Beaver Valley Power Station.

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EMERGENCY DIRECTOR - EMERGENCY/RECOVERY MANAGER TURNOVER/BRIEFING CHECKLIST

8.0 PROCEDURE

USER SIGNATURE

DATE

8.1 Classification

Synchronize time with Control Room Clock: _____

Affected Unit: _____

Non-affected Unit Status: _____

Unusual Event
EAL _____ Time

Site Area Emergency
EAL _____ Time

Alert
EAL _____ Time

General Emergency
EAL _____ Time

Reason for classification:

PAR

8.2 Notification

Initial Notification Complete:

- Site Personnel
- NRC (including 10CFR50.72, if appropriate)
- Offsite Agencies

Follow-up Notification Complete:

- NRC (including 10CFR50.72, if appropriate)
- Offsite Agencies

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Title:
TURNOVER STATUS CHECKLIST

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8.3 Status of Emergency Facilities

NOTE: Verify that the clocks in each facility have been synchronized with the Control Room Clock.

Identify key Coordinators/Managers:

- TSC Activated YES/NO Time _____ (Name) _____
- OSC Activated YES/NO Time _____ (Name) _____
- EOF Activated YES/NO Time _____ (Name) _____
- JPIC Activated YES/NO Time _____ (Name) _____
- AEOF Activated YES/NO Time _____ (Name) _____
- AOSC Activated YES/NO Time _____ (Name) _____

8.4 Plant Status

Containment Condition:(Pressure, Temperature, Breached):

RCS Pressure, temperature, radiation monitors or Breached):

Power supplies:

Normal -

Emergency -

ESF Status:

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Title:

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8.5 Radiological Status

Radioactive release/potential for release (Airborne/Liquid):

In-Plant:

Onsite:

Offsite:

8.6 Dose Projections

Wind Speed at 35' _____ mph and Direction at 150' from _____.

Weather Forecast:

Accident Type:

Dose Projection:

EAB

TEDE

CT (CDE)

2 Mi. _____

5 Mi. _____

10 Mi. _____

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8.7 Other Conditions

NOTE: A contaminated/injured person sent to a hospital is a 10 CFR 50.72 eight (8) hour notification.

NOTE: Do not release the name(s) of injured personnel prior to Support Services notification of next of kin.

Injured personnel:

NAME	EMPLOYER	INJURIES	CONTAMINATED Y/N	HOSPITAL MED. CENTER/PRESBY

Fires:

Natural Disasters:

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8.8 Protective Actions

ONSITE:

_____ Local Evacuation
_____ Site Evacuation
_____ Assembly/Accountability

Time

Where

Time	Where

OFFSITE:

BVPS Protective Action Recommendation

SHELTER: _____

EVACUATION: _____

PA/BC: _____

OH/CC: _____

WV/HC: _____

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TURNOVER STATUS CHECKLIST

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8.9 Emergency Public Information Organization/JPIC Activities & Schedule

8.10 Objectives

Short-term:

Long-term:

8.11 Final Conditions

8.11.1 This procedure will be terminated at the direction of the Emergency Director or Emergency/Recovery Manager or upon termination of the emergency.

8.11.2 A copy of the completed procedure is to be provided to the Communications and Records Coordinator. The original of this procedure is to be forwarded to Emergency Preparedness.

Beaver Valley Power Station

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1/2-EPP-IP-2.5

Emergency Environmental Monitoring

Document Owner

Manager, Emergency Preparedness

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

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Beaver Valley Power Station

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1.0 PURPOSE

- 1.1 This procedure provides instructions for the collection of environmental samples in the event of a release of radioactive material to the environment during an emergency. This procedure is intended to adapt the existing environmental procedures to emergency environmental monitoring. All offsite environmental monitoring addressed in this procedure is directed and coordinated by the Environmental Coordinator under the direction of the EA&DP Coordinator.

2.0 SCOPE

- 2.1 In the event of inclement weather (snow), the Environmental Coordinator shall provide sampling instructions for field sampling personnel. Sampling methods will depend on environmental conditions.
- 2.2 This procedure is intended to adapt the existing environmental procedures to emergency environmental monitoring.

3.0 REFERENCES AND COMMITMENTS

3.1 References

- 3.1.1 Beaver Valley Power Station Emergency Implementing Procedure 1/2-EPP-IP-2.1 "Emergency Radiological Monitoring".
- 3.1.2 Beaver Valley Power Station Health Physics Manual.
- 3.1.3 Beaver Valley Power Station Offsite Dose Calculation Manual.
- 3.1.4 Beaver Valley Power Station Environmental Procedures Manual.
- 3.1.5 Title 10 Code of Federal Regulations Part 20.
- 3.1.6 Condition Report
- 01-3198.
 - 03-12063

3.2 Commitments

- 3.2.1 None

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4.0 RECORDS AND FORMS

4.1 Records

- 4.1.1 Attachment A, Emergency Environmental Monitoring Checklist when completed.

4.2 Forms

- 4.2.1 None

5.0 RESPONSIBILITIES

5.1 EA & DP Coordinator

- 5.1.1 Directs the environmental sampling of offsite areas based on type and extent of radiological release.

5.2 Environmental Coordinator

- 5.2.1 Coordinates offsite radiological environmental monitoring following a release.

6.0 PRECAUTIONS AND LIMITATIONS

- 6.1 Environmental field sampling personnel will be provided with proper dosimetry, as required. Personnel must remain alert to their own exposure and request relief if their cumulative exposure approaches a BVPS administrative control level.
- 6.2 If warranted, communications between the field sampling personnel and the TSC/EOF will be via radio or cell phone. Since radio communications at this frequency can be intercepted by commercially available scanners, communications should be brief and factual, and free of exclamatory or alarming expressions. Transmissions to the TSC/EOF should be carefully worded to minimize possible confusion.
- 6.3 Environmental field sampling personnel should not discuss details of the emergency with members of the general public or to news media personnel. All questions should politely be referred to FirstEnergy Corporate Communications or to the appropriate State emergency response agency.
- 6.4 Environmental field sampling personnel should ensure that all samples are clearly identified as to sample location, sample type and date/time in accordance with the applicable Environmental Program Procedures.
- 6.5 In the event of a severe release, environmental surfaces may be contaminated. Appropriate precautions should be taken to minimize inadvertent contamination (and cross contamination) of samples, particularly food stuffs and milk.

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7.0 PREREQUISITES

- 7.1 A significant release of radioactive materials to the environment has occurred; and the Environmental Coordinator and/or the EA & DP Coordinator has determined the need for additional or accelerated environmental monitoring.
- 7.2 The Environmental Coordinator has provided field sampling personnel with specific instructions on sample locations, samples desired and requirements for protective clothing and respirators, as applicable.

8.0 PROCEDURE

NOTE: Attachment A should be used as an aid to coordinate the activities required by this implementing procedure.

- 8.1 The sample media and location shall be determined by the Environmental Coordinator and EA and DP Coordinator and is based on the type of activity released and the wind direction as defined by the EA & DP Coordinator.
- 8.2 If it is identified that TLDs are to be changed and evaluated, then all TLDs should be changed and evaluated not just the downwind sectors.
- 8.3 The milk and garden surveys may be selected from the most recent milk animal and garden surveys conducted each summer. These samples and other media sample locations may be in addition to the ongoing Radiological Environmental program.
- 8.4 The samples are obtained and analyzed in accordance with procedures 1/2-ENV-02.01 and 1/2-ENV-03.01.
- 8.5 A low-level environmental laboratory (i.e., Teledyne Isotopes) analyses the samples and the results are forwarded to the Environmental Coordinator for review and evaluation.
- 8.5.1 In addition, the results are given to the EA & DP Coordinator for use, if applicable, in 1/2-EPP-IP-2.6.8 "Dose Assessment Based on Environmental Measurements and Samples".
- 8.6 Sample locations and frequencies may be added or deleted from the environmental program based on the analytical results of samples previously received.
- 8.7 Significant sample results, after verification, shall be reported to appropriate Federal, State and local agencies.
- 8.8 As environmental conditions return to normal, the Environmental Monitoring Program shall be curtailed proportionately until it reaches the normal level.

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1/2-EPP-IP-2.5

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Emergency Environmental Monitoring

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ATTACHMENT A

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EMERGENCY ENVIRONMENTAL MONITORING CHECKLIST

Item	Completed by	Date	Time
Contact the non-emergency RP Environmental Coordinator and request their assistance.			
Contact the non-emergency Environmental Field Technician and request their assistance.			
Determine the low level lab currently being used for analysis of environmental samples. This can be obtained from appropriate RP personnel. Call the lab and inform them to prepare for additional environmental samples.			
Based on the type of release, weather, and magnitude of the release, evaluate the need to perform increased environmental monitoring. This is normally performed by EADP Coordinator and Environmental Coordinator			
Develop an accelerated sampling plan.			
Notify the ERM of the details of the accelerated sampling plan.			
Notify the appropriated states of the details of the accelerated sampling plan.			
Implement plan			
Notify the analysis lab of the plan and BVPS's expectations of analysis turnaround.			
Review analysis results and determine if additional sampling is needed.			

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1/2-EPP-IP-2.6.1

DOSE PROJECTION - BACKUP METHODS

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:
1/2-EPP-IP-2.6.1

Title:

DOSE PROJECTION - BACKUP METHODS

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1/2-EPP-IP-2.6.1

Title:

DOSE PROJECTION - BACKUP METHODS

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12

Level Of Use:
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1.0 PURPOSE

1.1 This procedure provides instructions for performing an emergency dose assessment using hand calculations. This procedure can also be used as a source of X/Q data for use in other hand calculations.

2.0 SCOPE

2.1 This procedure is a sub-procedure to 1/2-EPP-IP-2.6, Environmental Assessment and Dose Projection Controlling Procedure, and is used in conjunction with that procedure.

2.2 The X/Q portion of this procedure may be performed whenever hand calculations are required and another dose projection method will be used (e.g., 1/2-EPP-IP-2.6.6, Dose Projection -- Hand Calculation - Known Isotopic Release).

2.3 Dose projections shall be performed using this procedure whenever the following action levels are present.

NOTE: ARERAS and the MIDAS software do not require real-time meteorological and radiological inputs to be OPERABLE. IF the MIDAS accident calculations can be started and performed with manual inputs, proceed to 1/2-EPP-IP 2.6.4, Dose Projection - ARERAS/MIDAS WITH MANUAL INPUTS.

2.3.1 ARERAS and the MIDAS software are not OPERABLE from within the plant prior to activation of the TSC/EOF; or from within the ERF after activation of the TSC/EOF.

- AND -

2.3.2 An UNPLANNED RELEASE has occurred.

- AND -

2.3.3 The results of an abnormal release evaluation performed in accordance with HPM RP-6.12, or RP-6.12A, indicate that an abnormal release has exceeded Technical Specification/Offsite Dose Calculation Manual limits (i.e., an UNUSUAL EVENT).

- OR -

One or more effluent radiation monitors has alarmed and the readings are in excess of those values provided as INITIATORS for the UNUSUAL EVENT classification in 1/2-EPP-I-1.

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

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3.0 REFERENCES AND COMMITMENTS

3.1 References

- 3.1.1 Conversion Factors for EPP/IP 2.6.1. ERS-MPD-93-010
- 3.1.2 Conversion Factors for EPP/IP 2.6.1. ERS-MPD-92-023
- 3.1.3 U1/U2 EPP/IP 2.6.1 Attachment 2 Factors. ERS-SFL-93-028
- 3.1.4 1/2-EPP-IP-2.6.1 Worksheet 1 and xu/Q Graph. ERS-SFL-90-022, Revision 0; 1990.
- 3.1.5 Recognition and Classification of Emergency Conditions. EPP-I-1a/EPP-I-1b.
- 3.1.6 Offsite Protective Actions – 1/2-EPP-IP-4.1
- 3.1.7 Condition Reports
 - 00-2202

3.2 Commitments

- 3.2.1 None

4.0 RECORDS AND FORMS

4.1 Records

- 4.1.1 This procedure becomes a record if used.
- 4.1.2 The forms listed in Step 4.2 will become QA records when completed.

4.2 Forms

- 4.2.1 1/2-EPP-IP-2.6.1.F01, X/Q Worksheet
- 4.2.2 1/2-EPP-IP-2.6.1.F02, UFSAR Accident Worksheet
- 4.2.3 1/2-EPP-IP-2.6.1.F03, Victoreen
- 4.2.4 1/2-EPP-IP-2.6.1.F04, SA9/SA10
- 4.2.5 1/2-EPP-IP-2.6.1.F05, SPING
- 4.2.6 1/2-EPP-IP-2.6.1.F06, Main Steam/AFTEX
- 4.2.7 1/2-EPP-IP-2.6.1.F07, 2HVS*RQ109
- 4.2.8 1/2-EPP-IP-2.6.1.F08, 2HVS*RQ101B

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4.2.9 1/2-EPP-IP-2.6.1.F09, 2HVL*RQ112B/2RMQ-RQ301B/2RMQ-RQ303B

4.2.10 1/2-EPP-IP-2.6.1.F10, 2MSS*RQ101A, B, C

4.2.11 1/2-EPP-IP-2.6.1.F11, 2HVS-RQ109

5.0 RESPONSIBILITIES

5.1 Shift Radiation Protection Technician

5.1.1 Perform this procedure prior to activation of the Technical Support Center (TSC), as requested by the Shift Manager (SM).

5.2 Environmental Assessment and Dose Projection (EA & DP) personnel

5.2.1 Perform this procedure on activation of the Technical Support Center (TSC). EA & DP personnel are authorized to deviate from verbatim compliance with this procedure if instructions in this procedure do not adequately address the actual emergency release situation.

6.0 PRECAUTIONS AND LIMITATIONS

6.1 Precautions

6.1.1 The wind direction requested in prompts and displayed on the various printouts is the wind direction from which the wind is coming (upwind), unless otherwise indicated. It is NOT the direction to which the plume is headed (downwind).

6.1.2 All calculations shall be checked for accuracy by another person prior to use in protective action recommendations.

6.1.3 If using the monitored release forms, ensure that the form is proper for the monitor of interest and that data for the appropriate channel are being used.

6.2 Limitations

6.2.1 None

7.0 PREREQUISITES

7.1 Meteorological data are available, either from the site meteorological tower or as derived in 1/2-EPP-IP-2.6.5, 'Alternate Meteorological Parameters.'

7.2 Information is available to support characterization of the release:

7.2.1 Effluent radiation monitor reading (and flow rate), or,

7.2.2 Assumed default FSAR accident.

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8.0 PROCEDURE

8.1 Complete the following information:

8.1.1 Start of Procedure Date/Time: _____

8.2 Obtain the following information from Control Room or TSC personnel.

8.2.1 Type of Accident: _____

8.2.1.1 IF the type of accident cannot be identified, THEN use LOCA WITH GAP ACTIVITY.

8.2.2 Expected (or known) duration of release: _____ hours.

8.2.2.1 IF the type of accident cannot be estimated, THEN use 1.0 hour, and repeat the projection as better data become available.

8.2.3 Is release monitored? _____

8.3 Determine values for the X/Q at the Exclusion Area Boundary, and at 2, 5, and 10 miles.

8.3.1 Locate a copy of form 1/2-EPP-IP-2.6.1.F01, X/Q Worksheet.

8.3.2 Using 1/2-EPP-IP-2.6.5, Alternate Meteorological Parameters, obtain values for the necessary meteorological parameters and record the values in the spaces provided on the form 1/2-EPP-IP-2.6.1.F01.

8.3.3 Using the instructions on the back side of the form, determine the X/Q value for each distance of interest.

8.4 Select method of source term characterization:

8.4.1 IF the release was via a monitored release path and monitor data are available, THEN proceed to Step 8.5.

8.4.2 IF the release was via an unmonitored pathway, THEN proceed to Step 8.6.

8.4.3 IF the release was via a monitored pathway, but monitor data are unavailable, THEN proceed to Step 8.6.

8.4.4 IF an imminent release has not started yet, THEN proceed to Step 8.6.

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8.5 Identify the following data for the effluent radiation monitor channels in alarm or those that have elevated readings:

NOTE: In obtaining readings, attempt to record an average reading. Avoid short duration (i.e., less than 90 seconds) spikes in monitor reading.

NOTE: For Unit 2 2MSS*RQ101A,B,C, use the data from effluent channel 4 (2EA005, 4EB005, 6EC005, in uCi/sec).

Monitor/Channel	Net cpm, uCi/cc uCi/sec	Release Flow cfm
_____	_____	_____
_____	_____	_____
_____	_____	_____

8.5.1 From the above monitors, select the monitor channel to be used in this evaluation, as provided below.

NOTE: If more than one release path is affected, this procedure shall be repeated for each such path. See Step 8.5.4.

- 8.5.1.1 Select the monitor that was in alarm, or,
- 8.5.1.2 Select the monitor that was used in the abnormal release assessment (1/2-HPP-3.06.012, 1/2-HPP-3.06.013); or,
- 8.5.1.3 Select the monitor that exceeded the EAL INITIATOR, or,
- 8.5.1.4 **IF** Unit 1 SPING, **THEN** select the lowest channel (i.e., channel 5 low, channel 9 high) with an upscale reading, preferably mid-range.
- 8.5.1.5 **IF** Unit 1, **THEN** select SPING rather than Victoreen if both are OPERABLE, or,
- 8.5.1.6 **IF** Unit 2 WRGM, **THEN** use RM23 channel 1 if the reading is less than 0.01 uCi/cc; use RM23 channel 3 if the reading is greater than 1.0 uCi/cc; use RM23 channel 2 for all other values.

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NOTE: The mid and high range channels on the WRGM are generally not in operation unless the reading on the low range has exceeded the cross-over value of 0.01 uCi/cc.

8.5.2 Locate a copy of the form for the monitor selected.

8.5.2.1 Default Flow Data is available on the back of the form.

8.5.3 Perform the worksheet calculations in accordance with the instructions on the back side of the form.

8.5.3.1 IF the calculated Total Effective Dose Equivalent (TEDE) at a given distance is less than 1.0 rem, OR IF the calculated thyroid (CDE) at a given distance is less than 5.0 rem, THEN calculations for further outward distances may be bypassed.

8.5.4 IF more than one release path was affected, THEN proceed as follows:

8.5.4.1 Record the results from this path below:

Path	TEDE rem	Thyroid CDE rem
_____	_____	_____
_____	_____	_____
_____	_____	_____
Totals =	_____	_____

8.5.4.2 Repeat Steps 8.5.2 and 8.5.4 for each additional path. Use a spare copy of the applicable form(s) and attach this sheet to this procedure when complete.

8.5.4.3 When all paths have been addressed, sum the dose for each path to obtain the total dose. Record the value in the table above, and use the total in all subsequent steps.

8.5.5 Proceed to Step 8.7.

8.6 Locate a copy of form 1/2-EPP-IP-2.6.1.F02, UFSAR Accident Worksheet.

8.6.1 Perform the worksheet calculations in accordance with the instructions on the back side of the form.

8.6.1.1 IF the calculated TEDE at a given distance is less than 1.0 rem, OR IF the calculated thyroid CDE at a given distance is less than 5.0 rem, THEN calculations for further outward distances may be bypassed.

8.6.2 Continue with Step 8.7.

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8.7 If not already done, have all calculations checked by another individual.

8.8 Compare the results to the protective action guides.

NOTE: Radiation Protection Technicians are not required to make Protective Action Recommendations. However, they should provide the Emergency Director/Emergency Recovery Manager dose projection information needed to make protective action recommendations as described in 1/2-EPP-IP-4.1 "Offsite Protective Actions" if warranted. The following step should be used for this purpose.

Once the TSC/EOF is activated, EA & DP shall develop necessary Protective Action Recommendations and provide these recommendations to the Emergency Director or Emergency/Recovery Manager, in accordance with 1/2-EPP-IP-4.1.

8.8.1 IF the TEDE is greater than 1.0 rem or the Child Thyroid CDE is greater than 5.0 Rem, THEN a public protective action may be necessary. Provide the Emergency Director/Emergency Recovery Manager the dose projection information needed for the determination of protective action recommendations per 1/2-EPP-IP-4.1 "Offsite Protective Actions".

8.9 Compare the results to the Emergency Action Level CRITERIA of 1/2-EPP-I-1, summarized below.

NOTE: Radiation Protection Technicians and EA & DP personnel are not required to classify emergencies. However, these personnel should alert the Emergency Director and/or the Emergency/Recovery Manager, when they become aware such an escalation is warranted. The following steps should be used for this purpose.

8.9.1 IF the EAB TEDE exceeds 0.1 mrem, THEN, an UNUSUAL EVENT exists.

8.9.2 IF the EAB TEDE exceeds 10 mrem, THEN an ALERT EMERGENCY exists.

8.9.3 IF the EAB TEDE exceeds 100 mrem; or IF the EAB Thyroid CDE exceeds 500 mrem; THEN a SITE AREA EMERGENCY exists.

8.9.4 IF the EAB TEDE exceeds 1.0 rem, or if the EAB thyroid CDE exceeds 5.0 rem, THEN a GENERAL EMERGENCY exists.

8.10 IF any of the following conditions have occurred, THEN perform additional X/Q and dose calculations.

8.10.1 Effluent radiation monitor readings increase or decrease by more than 20%, OR,

8.10.2 Wind speed increases or decreases by more than 20%, OR,

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8.10.3 Stability class changes one or more classes towards stable (e.g., ABC to D, E to FG),
OR,

8.10.4 Release duration increases by more than 20%, OR,

8.10.5 As requested by Shift Manager (SM)/(ED).

8.11 Final Conditions

8.11.1 Assessment results have been reported to the Emergency Director, and/or the
Emergency/Recovery Manager, (as appropriate for the emergency classification).

8.11.2 Assessment results have been compared against the emergency action levels and
necessary classification changes have been recommended to the Emergency Director,
and/or Emergency/Recovery Manager.

8.11.3 Assessment results have been compared against the protective action guides and
necessary offsite protective actions have been recommended to the Emergency Director,
and/or the Emergency/Recovery Manager.

8.11.4 Assessment results have been evaluated for impact on onsite personnel and/or traffic
control point personnel, and any potential impact has been reported to the SM (ED), the
OSC, or to the Radiological Controls Coordinator in the TSC.

8.11.5 The original of this procedure, with completed forms attached, shall be forwarded to the
EA & DP Coordinator in the TSC/EOF, and then upon termination of the emergency, to
the Communications and Records Coordinator.

8.11.5.1 All blank spaces provided in this procedure for recording input shall contain data
or shall be marked "N/A".

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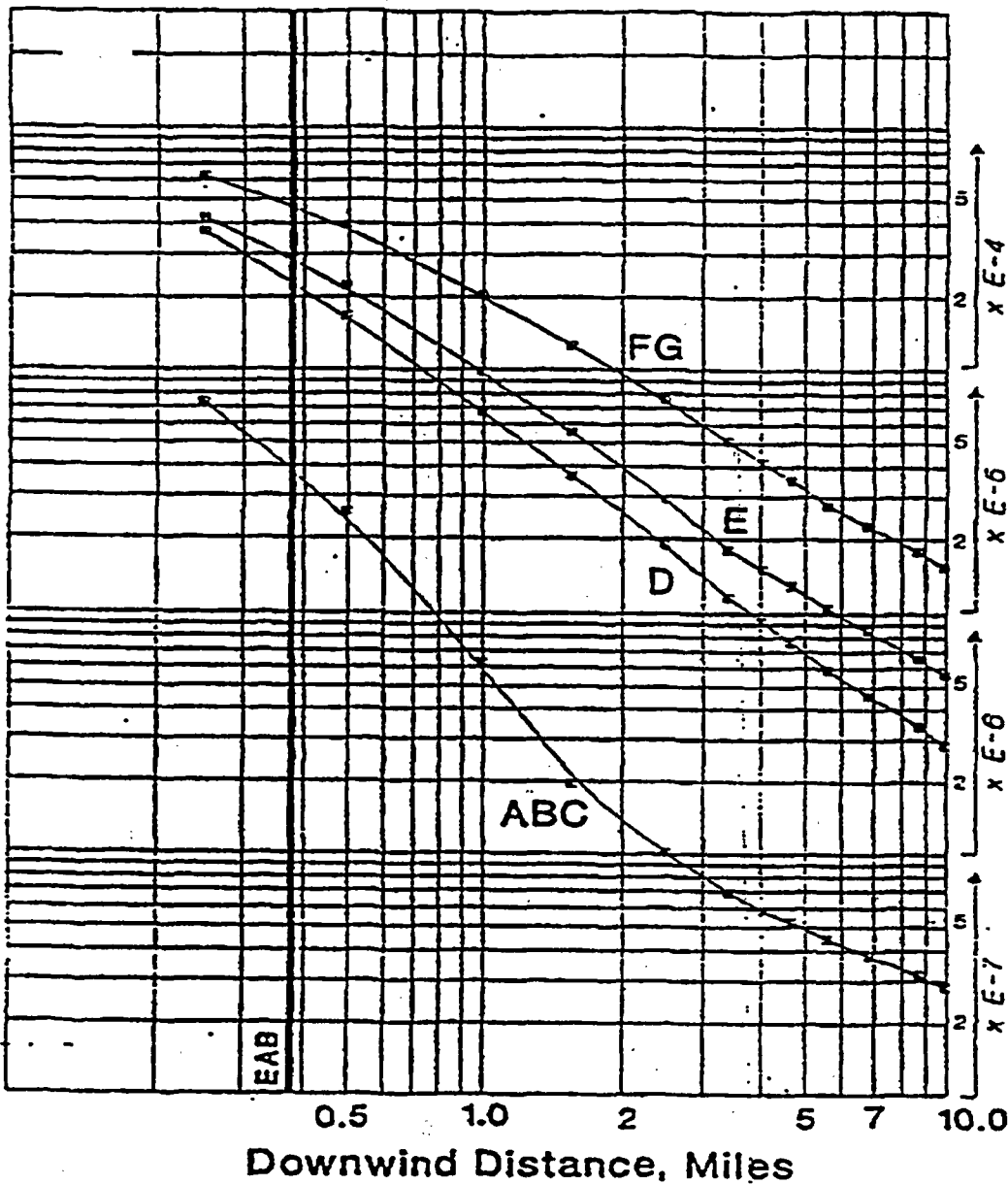
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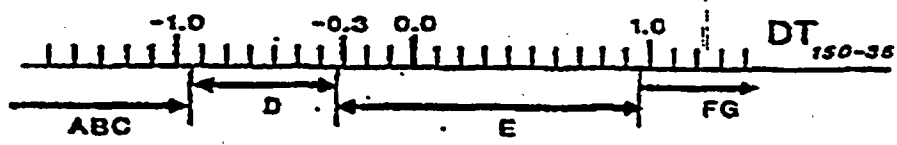
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ATTACHMENT A
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XU/Q VERSUS DISTANCE

Xu/Q versus DISTANCE



Divide By 35' Windspeed (mph) to Obtain Ground Level X/Q



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1/2-EPP-IP-3.2

Site Assembly and Personnel Accountability

Document Owner
Manager, Emergency Preparedness

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Safety Related Procedure	Yes

**CONTROLLED
BVPS UNIT 3**

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1.0 PURPOSE

1.1 This procedure provides instructions for assembling and accounting for personnel and visitors onsite in the event of an evacuation of plant areas.

2.0 SCOPE

2.1 This procedure applies to the declaration of a Site Assembly and/or Site Accountability at the BVPS Site (Unit 1 and 2) and addresses maintaining accountability of emergency personnel and other personnel remaining to perform emergency functions.

2.2 This procedure is primarily directed at Assembly and Accountability initiated by actual or imminent radiological conditions. It also applies to evacuations related to other habitability hazards, such as toxic gases or fire.

2.3 The responsibility for maintaining personnel accountability in the event of a local evacuation, rest with the supervisory personnel providing access control and/or radiological coverage to that area.

2.4 A Site Assembly may also be required due to a Security Event. Form 1/2-EPP-IP-3.2.F02, Site Assembly Page Announcement, provides space for specifics to be included in the Page Announcement.

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Beaver Valley Power Station Emergency Preparedness Plan and Implementing Procedures.

3.1.2 Beaver Valley Power Station Security Plan.

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

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

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3.1.5 Condition Reports:

- 01-3198
- 01-3322
- 01-3556
- 02-04345
- 02-06677
- 02-07647
- 03-10614-6
- 03-12123
- 03-12334

3.2 Commitments

3.2.1 None

4.0 RECORDS AND FORMS

4.1 Records

4.1.1 The records listed in Forms will become QA records when completed.

4.2 Forms

4.2.1 1/2-EPP-IP-3.2.F01, EPP Site Accountability Form

4.2.2 1/2-EPP-IP-3.2.F02, Site Assembly Page Announcement

4.2.3 1/2-EPP-IP-3.2.F03, Initiate Accountability Page Announcement

4.2.4 1/2-EPP-IP-3.2.F04, Site Evacuation Page Announcement

4.2.5 1/2-EPP-IP-3.2.F05, Return to Work Announcement

5.0 RESPONSIBILITIES

5.1 Emergency Director

5.1.1 Is responsible for declaring a Site Area or General Emergency (A Site Area or General Emergency mandates Personnel Accountability, unless circumstances mitigate against performing.).

5.1.2 Can order a Site Assembly or Personnel Accountability should the situation warrant.

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5.2 Security Coordinator

NOTE: The Security Coordinator will be located in the TSC unless a Security event is in progress. In that case, he will be located in the Security Building. The senior member of the security organization will assume the duties of the Security Coordinator.

NOTE: If a Site Area Emergency appears imminent, the Security Coordinator should initiate steps to expedite the prompt completion of Accountability.

5.2.1 Is responsible for the actions pertaining to Site Assembly and Site Accountability.

6.0 PRECAUTIONS AND LIMITATIONS

6.1 Precautions

6.1.1 None

6.2 Limitations

6.2.1 None

7.0 PREREQUISITES

7.1 An emergency condition at BVPS has resulted in conditions, which require a Site Assembly and/or Site Accountability.

7.2 A Site Area or General Emergency has been declared.

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8.0 PROCEDURE

8.1 Site Assembly

NOTE: If a Site Assembly is directed, Emergency Facility Coordinators shall complete an accurate list of assigned personnel who can not go to the Assembly Area because of their emergency assignment (form 1/2-EPP-IP-3.2.F01). This form must be furnished to the Central Alarm Station, in writing, before accountability can be complete. In the event of a radiological release or similar emergency (toxic gases) making access to the Central Alarm Station impossible, form 1/2-EPP-IP-3.2.F01, shall be transmitted via phone FAX (PAX) or other communications links (Page, Ops or Rad circuits). The form should be initiated at the Alert classification if it appears that a Site Area Emergency is imminent and delivered as soon as possible following the call for the Site Assembly or Site Area Emergency declaration, whichever comes first.

8.1.1 Control Room Actions

NOTE: Refer to the following Implementing Procedures for possible applicability.

- 1/2-EPP-IP-3.1 "Evacuation"
- 1/2-EPP-IP-5.1 "Search and Rescue"

8.1.1.1 Perform Attachment D.

8.1.2 Site Assembly - Onsite nonessential personnel

8.1.2.1 Upon activation of Standby Alarm, personnel shall stop work and listen for instructions over the page.

8.1.2.2 If instructions are given to report to the Assembly Areas:

- Stop work
- Shut down equipment
- Lower any suspended loads
- Leave area

8.1.2.3 Personnel exiting Vital Areas SHALL utilize card readers, ensuring computerized Accountability is maintained.

8.1.2.3.1 In the event card readers are inoperable, personnel may "Thumb-Out" by manually releasing the door lock. The Central Alarm Station or nearest Security personnel must be notified of the "Thumb-Out" to update the Security computer and maintain computerized accountability.

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- 8.1.2.4 Personnel within Unit 1 shall report to the Men's Locker Room located in the Turbine Building.
- 8.1.2.5 Personnel within Unit 2 and in the SOSB shall report to the 3rd floor Assembly Area of the SOSB.
- 8.1.2.6 Contractor manual personnel within the Protected Area shall report to the 2nd floor Assembly Area in the NCD Building. BVPS and non-manual contractor personnel within the Protected Area, but not in either unit, shall report to the 3rd floor Assembly Area in the NCD Building.

NOTE: Outage personnel under the direction of NCD will report to the NCD Assembly Area (Craft Change Area).

NOTE: Outage personnel under the direction of other Site groups (e.g., Westinghouse personnel contracted by BVPS Maintenance) will exit the PAF and report to Whse "B".

8.1.2.7 Visitors shall follow the instructions given by their escort.

8.1.3 Assembly Area Actions

8.1.3.1 Once within the Assembly Areas, personnel shall follow the guidelines in Attachment B.

NOTE: The Assembly Area Supervisors shall assume control of the Assembly Areas using Attachment B as guidance.

8.1.4 Personnel outside the Protected Area

8.1.4.1 Personnel located outside the Protected Area who do not have emergency assignments shall report to the closest Near-site Assembly Area listed below and await further instructions.

- Training Building (1st Floor)
- Warehouse B (2nd Floor)

8.1.4.2 Construction Contractor personnel located or working outside the Protected Area fence, but within BVPS property, will report to Whse "B".

NOTE: The Assembly Area Supervisors shall assume control of the Assembly Areas using Attachment B as guidance.

8.1.4.3 Updates concerning event classifications, plant conditions and possible Site Evacuation will be received by the Near-site Assembly Area Supervisors from the TSC and relayed to assembled personnel. (Refer to Attachment B for instructions.)

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8.1.4.4 Should the situation warrant, habitability surveys will be conducted by RP personnel at one or all of the Near-site Assembly Areas.

8.1.4.5 If a Site Evacuation is ordered, personnel will receive instructions as to where they should report (Remote Assembly Area or home).

8.2 Accountability

8.2.1 Upon direction from the Emergency Director, in conjunction with Security, or the TSC Security Coordinator if activated, Control Room personnel shall complete form 1/2-EPP-IP-3.2.F03.

8.2.2 The primary method for accountability of station personnel is through the computerized key-card system. This system has provisions for identifying and printing a listing of all personnel remaining inside the Protected Area. All non-emergency personnel located within the Protected Area shall follow the instructions provided.

8.2.3 The Control Room Shift Manager and OSC Coordinator SHALL complete 1/2-EPP-IP-3.2.F01, EPP Site Accountability Form.

NOTE: In the event of a radiological release or similar emergency (toxic gases) making access to the Central Alarm Station impossible, form 1/2-EPP-IP-3.2.F01, EPP Site Accountability, shall be transmitted via phone (PAX), FAX or other communications links (Page, Ops or Rad circuits).

8.2.3.1 The EPP Site Accountability Form (1/2-EPP-IP-3.2.F01) should be initiated as soon as possible after an ALERT is declared. When complete and accurate, the list should be faxed (724-643-4469) or hand carried to the CAS.

8.2.4 During emergency conditions, personnel are permitted to exit the Auxiliary Building in mass without carding out at the exit readers. The card readers in the Assembly Areas relocate any personnel who tailgated out of Vital Areas during emergencies.

NOTE: Refer to form 1/2-EPP-IP-3.2.F03 for the Initiate Accountability Page Announcement.

NOTE: Security personnel shall assist BVPS Supervisory personnel, as requested, at the Primary Assembly Areas.

8.2.5 Construction personnel not assigned to a Primary Assembly Area within the Protected Area shall immediately exit through the Primary Access Facility (PAF) via their regularly assigned entry/exit gate, report to a Near-site Assembly Area and await further instructions.

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- 8.2.6 A computer generated accountability printout will be completed within thirty (30) minutes of the declaration of a Site Area Emergency or within thirty (30) minutes of the Emergency Director's request for Accountability if not in a Site Area Emergency. This printout will complete the first stage of the Accountability/Search process.
- 8.2.7 Site Accountability reports are completed by comparing the computer printout listing persons inside the Protected Area but not in the Primary Assembly Area against various EPP Site Accountability Forms (1/2-EPP-IP-3.2.F01) provided by the Emergency Facility Coordinators.
- 8.2.8 Onsite Security personnel in CAS will report the results of the initial Accountability/Search process to the Security Coordinator in the TSC who will keep the Emergency Director updated.
- 8.2.8.1 Search and rescue operations will be conducted for personnel listed as being in the Protected Area but not shown on the various Accountability Forms (per 1/2-EPP-IP-5.1 "Search and Rescue"). This will be the follow-up stage of the Accountability/Search process.
- 8.2.9 Personnel outside the Protected Area fence when a Site Assembly is indicated shall proceed to the nearest designated Near-site Assembly Area. Once Site Accountability has been initiated and completed, Near-site Assembly Area Supervisors should report results to the TSC per Attachment B.
- 8.2.10 Personnel with emergency assignments inside the Protected Area will enter through the PAF.
- 8.2.10.1 Individuals with emergency assignment, should go directly to their emergency response facility and be placed on that facility's Accountability Form.
- 8.2.10.2 Emergency response personnel should make every effort to report to the Primary Assembly Areas to assist in completing accountability within the required time period (30 minutes).

NOTE: Personnel SHALL not leave the Primary Assembly Areas during accountability. Coordinators must use caution to insure sufficient personnel remain to maintain the emergency facility functional.

8.3 Accountability for Site Evacuation

NOTE: Refer to form 1/2-EPP-IP-3.2.F04 for the Site Evacuation Page Announcement.

- 8.3.1 Should a Site Evacuation be ordered, normal personnel access control procedures will apply.
- 8.3.2 During an emergency condition, personnel exiting the site shall follow normal exiting procedures or as directed by Security.

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8.3.2.1 Once the security badge/key-cards have been read, the system can be interrogated to determine personnel within the Protected Area and their whereabouts.

8.3.2.2 Applicable information will be reported to the Security Coordinator who relays the information to the Emergency Director.

8.3.2.2.1 If necessary, search and rescue operations will be conducted for personnel listed as being in the Protected Area but not shown on the various Accountability Forms (per 1/2-EPP-IP-5.1 "Search and Rescue").

8.3.3 TLD/dosimeters will be collected as directed by Radiation Protection.

8.4 Final Conditions

8.4.1 This procedure will be complete when an accountability report has been delivered to the Emergency Director and when procedures being conducted concurrently (Search and Rescue and Evacuation) have been satisfactorily completed.

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ATTACHMENT A

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TELEPHONE LISTING FOR ASSEMBLY AREAS AND ASSOCIATED LOCATIONS

PRIMARY ASSEMBLY AREAS:

U1 Men's Locker Room	5169/Page
U2 NCOS-2	7881
U2 NCOS-3	5476
U2 SOSB-3	7595

OFFSITE ASSEMBLY AREAS:

Western Power Delivery Division, Raccoon Headquarters	724-682-2384
Hookstown Grange	724-573-9885

MISCELLANEOUS AREAS:

BVPS Control Room - Unit 1	7510
BVPS Control Room - Unit 2	7613
BVPS Control Room - Shift Manager Office	5102/5302
Operations Support Center	1369/5391
Alternate Operations Support Center (Unit 1 Emergency S/D Panel Area)	5174/Page
BVPS Security Building (CAS Room)	643-5954/PAX 5114/5115 (or Page)
Communications & Record Coord. (TSC)	5427/5652

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NEAR-SITE ASSEMBLY AREA (NSAA) INSTRUCTIONS

Upon notification of a Site Area Emergency or Site Assembly/Accountability, personnel at the Near-Site Assembly shall do the following:

NOTE:**Primary Assembly Areas ONLY:**

- A) All personnel shall insert their key card in the assembly area card reader.
- B) Wait for light on reader and remove key card.
- C) Contact CAS at PAX 5114 or 5115 if problems arise.

Primary Assembly Areas/Near-Site Assembly Areas

- Remain in the assembly area unless directed otherwise.
- Follow instructions from Page/Party Announcements, Security and Radiation Protection, if applicable.
- Refrain from smoking, eating, and drinking.
- Remain calm and quiet so instructions can be heard.
- Supervisory personnel shall control the Assembly Area.

1. Report to one of the NSAA's.
2. If no emergency is declared, listen for information from additional page party announcements.
3. If an emergency is declared, contact the TSC Communications and Records Coordinator (C&RC), or a C&RC Assistant, at PAX 5427/5652.
4. Provide: 1) your name, 2) your Near-Site Assembly Area location, and 3) your phone number for call-backs.
5. Obtain the following information:
 - Emergency declaration and time of declaration
 - Unit #1 or Unit #2
 - Reason for declaration
 - Site Assembly/Accountability time declared
 - Site protective action per the Emergency Director
 - The time the emergency was terminated
6. Inform other personnel at assembly area.
7. If a Site Evacuation is declared, follow posted information to Offsite Assembly Areas, if necessary.
8. Upon receiving an Electronic Alarming Dosimeter (EAD) from Rad Pro, contact C&RC if EAD reaches alarm setpoint. RP will evaluate assembly area relocation.

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COMMUNICATIONS AND RECORDS COORDINATOR

1. Upon Receiving a Call From the NSAAs, Provide the Following Information:

1.1 "This is an actual event. The following is information as of (time) _____
A SITE AREA / GENERAL EMERGENCY was declared at Unit #1 / Unit #2
At (time) _____ due to:
(reason) _____

"This is an actual event. The following is information as of (time) _____.
A Site Assembly and Accountability was called at (time) _____".
The Site Protective Action per the Emergency Director at (time) _____ is:

- a) To remain at the Assembly Area.
- b) Return to work.
- c) Evacuate to the Hookstown Grange / Western Power Delivery Division Raccoon Headquarters Offsite Assembly Area.
- d) Evacuate the Site and follow directions of local authorities.

1.2 Upon Termination of the emergency include the following:

"The emergency condition has been terminated at (time) _____."

2. Update the Information as Necessary, and Call the NSAAs at the Following:

<u>LOCATION</u>	<u>PHONE NO.</u>	<u>SUPERVISOR'S NAME</u>
Training Building	_____	_____
Warehouse B	_____	_____

3. The NSAAs will contact the TSC C&RC if EAD alarms. If EAD alarms, inform the TSC Radcon Coordinator for evaluation.

(NAME)

(DATE)

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SITE ASSEMBLY AND PERSONNEL ACCOUNTABILITY/EVACUATION CONTROL ROOM ACTIONS

1. Contact CAS to activate the Primary Assembly Area card readers.
2. Complete SITE ASSEMBLY PAGE ANNOUNCEMENT form (1/2-EPP-IP-3.2.F02).
3. Direct Radiation Protection personnel to perform radiological surveys of affected areas to identify extent, nature and source of problem, if applicable.
4. Direct Radiation Protection personnel to perform radiological surveys in the Primary and/or Near-site Assembly Areas, if applicable.
5. Based on conditions or surveys of the affected areas:

Permit personnel to return to work by performing form 1/2-EPP-IP-3.2.F05, RETURN TO WORK ANNOUNCEMENT.

OR

If warranted, send personnel home or to Remote Assembly Area by performing form 1/2-EPP-IP-3.2.F04, SITE EVACUATION PAGE ANNOUNCEMENT.
6. To implement Site Accountability, complete form 1/2-EPP-IP-3.2.F03, INITIATE ACCOUNT-ABILITY PAGE ANNOUNCEMENT.

NOTE: Must be completed within 15 minutes of calling for accountability.

- 6.1 Complete form 1/2-EPP-IP-3.2.F01 EPP SITE ACCOUNTABILITY FORM.
- 6.2 Hand carry, or fax, if conditions permit (724-643-4469), the completed, form 1/2-EPP-IP-3.2.F01, EPP SITE ACCOUNTABILITY FORM to CAS.
7. Upon notification of unaccounted personnel, perform 1/2-EPP-IP-5.1.F01, SEARCH AND RESCUE PAGE ANNOUNCEMENT.
 - 7.1 If required, perform 1/2-EPP-IP-5.1 SEARCH AND RESCUE.
8. For Site Evacuation, perform form 1/2-EPP-IP-3.2.F04, SITE EVACUATION PAGE ANNOUNCEMENT.

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EMERGENCY RESPONSE ORGANIZATION CORPORATE SUPPORT

Document Owner
Manager, Emergency Preparedness

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Level Of Use	General Skill Reference
Safety Related Procedure	Yes

**CONTROLLED
BVPS UNIT 3**

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1.0 PURPOSE

1.1 This procedure is to be utilized to provide the necessary legal, administrative and financial support to fulfill the requirements of the approved BVPS Emergency Preparedness Plan.

2.0 SCOPE

2.1 None

3.0 REFERENCES AND COMMITMENTS

3.1 References

3.1.1 Beaver Valley Power Station Emergency Preparedness Plan and Implementing Procedures.

3.1.2 Title 10, Code of Federal Regulations, Part 50.

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

3.2 Commitments

3.2.1 None

4.0 RECORDS AND FORMS

4.1 Records

4.1.1 None

4.2 Forms

4.2.1 None

5.0 RESPONSIBILITIES

5.1 Emergency Director

5.1.1 Has the overall responsibility for the implementation of this procedure.

5.2 Individual Emergency Response Coordinators and/or Managers

5.2.1 Are responsible for initiating communications with the various corporate support groups identified within this procedure.

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6.0 PRECAUTIONS AND LIMITATIONS

6.1 Precautions

6.1.1 This procedure provides general information as to the support available to the BVPS Emergency Response Organization. This procedure is intended to serve as guidance and need not be followed step-by-step.

6.2 Limitations

6.2.1 None

7.0 PREREQUISITES

7.1 An emergency condition of an Alert or greater has been declared at BVPS and the Emergency Response Organization has been activated.

8.0 PROCEDURE

8.1 Administrative, legal, financial and security support shall be provided by Corporate personnel as requested by various Emergency Response Coordinators and/or Managers. Listed below are various FirstEnergy Groups and titles of individuals within that Group that may be able to provide support.

NOTE: Emergency Response Coordinators (TSC) and/or Managers (EOF) should develop their own contact lists of Corporate personnel who would be able to provide assistance when requested.

8.1.1 FirstEnergy Nuclear Operating Company

- Perry Nuclear Power Plant
- Davis-Besse Nuclear Power Plant

8.1.2 Finance

- Controller
- Treasurer
- Financial Systems

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8.1.3 Legal and Communication Services

- Legal
- Sales
- Marketing
- Energy Services
- Business Development and Wholesale Transactions
- Energy Services and Business Group

8.1.4 Administration

8.1.5 Corporate Affaires and Community Involvement

8.1.6 Business Planning and Ventures

8.1.7 Distribution

8.1.8 Fossil Generation

8.1.9 Transmission

8.2 Final Conditions

- 8.2.1 This procedure shall be completed upon termination of the emergency condition.
- 8.2.2 All reports and documentation have been collected and forwarded to Emergency Preparedness.

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