

EPP/I-2  
11/29/83

UNUSUAL EVENT

OSC Meeting Number: 119

Reviewed: November 22, 1983

Approved: *W. J. Lamy*  
Station Superintendent

Approved: *J. L. Liker*  
Manager, Nuclear Safety & Licensing Dept.

Issue 7 Rev. 2

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TABLE OF CONTENTS

- A. Purpose
- B. References
- C. Responsibilities
- D. Action Level/Precautions
- E. Procedures
- F. Final Conditions
- G. Attachments

- 2.3 Following the declaration of an Unusual Event, Federal regulations require notifications of offsite authorities must be made within fifteen minutes.

E. Procedure

1.0 All Initiating Events

- 1.1 Sound Station Alarm once and make appropriate announcement. Announcement should state that an Unusual Event has been declared and the Station Standby Alarm has been sounded. The specific plant problem should also be included in the announcement. All available members of the On-Shift Emergency Organization should report to their stations while all other personnel should continue their normal duties but remain alert for additional announcements.
- 1.2 Implement appropriate assessment action. Complete and sign Attachment 1, EPP/IP 1.1, Initial Notification Form and instruct Communications and Records Coordinator to commence offsite notifications per EPP/IP 1.1.
- 1.3 Contact the on-call Emergency Director or designated alternate and relay information on Initial Notification Form. Provide additional information as requested or as available. The designated Emergency Director and alternates are:

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Station Supt.	W.S. Lacey			
b) Chief Engineer	R.J. Druga			
c) Supt. of Tech. Services	M. Coppola			
d) Supt. of Licensing and Compliance	K.D. Grada			

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NOTE

Activation of the Technical Support Center (TSC), of other emergency response facilities or personnel is not required at an Unusual Event. However, the Emergency Director may activate all or part of the organization if deemed necessary.

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- 1.4 Complete Attachment 3, EPP/IP 1.1, Follow-up Notification Form and provide to offsite agencies upon call back.

EPP/Implementing Procedure  
Unusual Event

A. Purpose

This instruction describes the actions to be taken for an Unusual Event at the Beaver Valley Power Station.

B. References

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

C. Responsibility

The Emergency Director (Shift Supervisor, until properly relieved by a designated alternate) has the responsibility and authority for implementation of the actions prescribed in this instruction.

D. Action Levels/Precautions

1.0 Action Levels

- 1.1 An Unusual Event has been declared based on the occurrence of off-normal events which could indicate a potential degradation of the level of safety of the plant per EPP/I-1.

2.0 Precautions

- 2.1 Continued surveillance and assessment of plant conditions are necessary to ensure that the emergency classification is appropriately revised as conditions change, or more definitive information is obtained.
- 2.2 Corrective actions to contend with the situation and to mitigate possible deterioration in plant conditions shall be conducted in accordance with the BVPS Operating Manual while simultaneously implementing this instruction.



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NOTE

If all call backs are not received from designated offsite agencies after a reasonable period of time, remake the initial notification call per EPP/IP 1.1  
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- 1.5 As conditions change, periodically check EPP/I-1 to determine whether reclassification is necessary.
- 1.6 Continue emergency operations until such time as plant conditions have stabilized and other termination criteria of EPP/IP 6.2 "Termination of the Emergency" have been satisfied.

2.0 Specific Initiating Events

2.1 Radioactivity Release to the Atmosphere

- 2.1.1 Terminate the release.
- 2.1.2 Initiate offsite dose projections per EPP/IP 2.6.1, "Dose Projections - General Methods".
- 2.1.3 Initiate onsite radiation surveys per EPP/IP 2.2, "Onsite Monitoring for Airborne Release".
- 2.1.4 Depending on onsite survey results, escalate emergency classification as warranted.

2.2 Radioactivity Release to the Ohio River.

- 2.2.1 Terminate the release.
- 2.2.2 Determine activity via effluent monitor reading or per EPP/IP 2.7, "Liquid Release Estimate".
- 2.2.3 Depending upon activity, escalate or de-escalate the classification or confirm estimate per EPP/IP 2.4, "Offsite Monitoring for Liquid Release".

3.0 Miscellaneous Initiating Events

- 3.1 Fire/Explosion per EPP/IP 8.1, "Fires in Controlled Areas" or Chapter 56B-BVPS-OM.
- 3.2 Contaminated Personnel Injury per EPP/IP 5.2, "Handling of Contaminated/Irradiated Personnel Injuries", or Chapter 56, Section 4, BVPS-RCM.
- 3.3 Tornado/Earthquake/Storms/Flooding per Chapter 53 BVPS-OM.

F. Final Conditions

- 1.0 Oncoming Emergency Director contacted.
- 2.0 Initial offsite notifications commenced.
- 3.0 The Unusual Event has been closed out with normal station administration resumed or the emergency reclassified.

G. Attachments

- 1.0 Checklist - Gas
- 2.0 Checklist - Liquid
- 3.0 Checklist - Contaminated Personnel Injury

Attachment 1 (1 of 1)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

Unusual Event - Gas

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-2	1.1	Implement corrective actions (Stop release)	_____	_____
I-2	2.2	Initiate and continue dose projection (EPP/IP-2.6)	_____	_____
I-2	2.3	Initiate radiation survey (EPP/IP-2.2)	_____	_____
I-2	1.2	Complete Initial Notification Form	_____	_____
I-2	1.3	Notify designated Emergency Director	_____	_____
I-2	1.4	Notify additional DLC personnel for assistance	_____	_____
I-2	2.4	Escalate to Alert if necessary (Alert-Gas checklist)	_____	_____
I-2	1.5	Notify offsite authorities (EPP/IP-1.1)	_____	_____
I-2	1.6,7	Complete follow-up notification	_____	_____
I-2	1.8	Have Public Information Department complete their notifications	_____	_____
I-2	1.10	Terminate when termination criteria (EPP/IP-6.2) have been met	_____	_____

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Attachment 2 (1 of 1)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

Unusual Event - Liquid

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-2	1.1	Implement corrective actions (Stop release)	_____	_____
I-2	3.2	Estimate release (EPP/IP-2.7). If Release of 10 MPC, declare Alert (Alert-Liquid checklist)	_____	_____
I-2	1.2	Complete Initial Notification Form	_____	_____
I-2	1.3	Notify designated Emergency Director	_____	_____
I-2	1.4	Notify additional DLC personnel for assistance	_____	_____
I-2	3.3	Sample river (EPP/IP-2.4). If release 10 MPC, declare Alert (Alert- liquid checklist)	_____	_____
I-2	1.5	Notify offsite authorities including Coast Guard, US Corps of Engineers, and water treatment plants (EPP/IP-1.1)	_____	_____
I-2	1.6,7	Complete follow-up notification	_____	_____
I-2	1.8	Have Public Information Department complete their notifications	_____	_____
I-2	1.10	Terminate when termination criteria (EPP/IP-6.2) have been met	_____	_____

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Attachment 3 (1 of 2)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

Unusual Event - Contaminated Personnel Injury

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
5.2	1.1,2	Sound Standby Alarm and dispatch Emergency Squad	_____	_____
5.2	1.5	Call ambulance (if necessary).	_____	_____
5.2	1.6	Notify hospital	_____	_____
5.2	1.7	If victim cannot be transported summon medical assistance to station (Drs. Wald and Spritzer, RERP program).	_____	_____
5.2	1.8	Notify security officers of impending ambulance arrival	_____	_____
5.2	1.9	Direct Emergency Squad to transport victim to first aid room (if he can be moved).	_____	_____
5.2	1.11	Decontaminate victim (if time is available).	_____	_____
5.2	1.12	Prepare ambulance to minimize contamination	_____	_____
5.2	1.13	Direct DLC Supervisor and Radcon technician to accompany victim to hospital	_____	_____
I-2	1.2	Complete Initial Notification Form	_____	_____



Attachment 3 (2 of 2)

I-2	1.3	Notify designated Emergency Director	_____	_____
I-2	1.5	Notify offsite authorities (EPP/IP-1.1)	_____	_____
I-2	1.6,7	Complete follow-up notifications	_____	_____
I-2	1.8	Have Public Information Department complete their notifications	_____	_____
I-2	1.10	Terminate when termination criteria (EPP/IP-6.2) have been met	_____	_____

EPP/I-3  
11/29/83

ALERT

OSC Meeting Number: 119

Reviewed: November 22, 1983

Approved: *Wm. J. Lacey*  
Station Superintendent

Approved: *John L. Lacey*  
Manager, Nuclear Safety & Licensing Dept.

Issue 7 Rev. 2

TABLE OF CONTENTS

- A. Purpose
- B. References
- C. Responsibilities
- D. Action Level/Precautions
- E. Procedures
- F. Final Conditions
- G. Attachments

- 2.3 Following the declaration of an Alert, Federal regulations require notification of offsite authorities within fifteen minutes.

E. Procedure

1.0 All Alert Initiating Events

- 1.1 Sound Station Standby Alarm once and announce that an Alert has been declared, all Emergency Squad personnel, Technical Support Center and Operations Support Center personnel should report to their stations. All Emergency Operations Facility personnel should be in a stand-by mode. All other station personnel should report to Primary Assembly Area.
- 1.2 Implement appropriate assessment actions. Complete and sign Attachment 1, EPP/IP 1.1, Initial Notification Form using data derived from initial assessment activities. Instruct Communications and Records coordinator to begin offsite notifications per EPP/IP 1.1, Attachment 2.
- 1.3 Notify the designated Emergency Director or alternate of the emergency condition. Provide information available or as requested. The Designated Emergency Director and alternates are:

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Station Supt. Unit 1	W .S. Lacey			
b) Chief Engineer	R.J. Druga			
c) Supt. of Tech. Services	M. Coppula			
d) Supt. of Licensing and Compliance	K.D. Grada			

- 1.4 Complete Attachment 3, EPP/IP 1.1, Follow-up Notification Form and provide information to offsite agencies upon call back.

EPP/Implementing Procedure  
Alert

A. Purpose

This instruction describes the actions to be taken in the event that an Alert Emergency condition has been declared at the Beaver Valley Power Station.

B. References

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

C. Responsibilities

The Emergency Director (Shift Supervisor, until properly relieved by a designated alternate) has the responsibility and authority for the completion of the prescribed actions in this instruction.

D. Action Levels/Precautions

1.0 Action Levels

- 1.1 An Alert Emergency condition has been declared based on the occurrence of events which indicated an actual or potential degradation of the level of safety of the plant per EPP/I-1.
- 1.2 An Unusual Event had been declared and based on subsequent information or upon a deterioration in plant conditions, the conditions has been reclassified as an Alert.

2.0 Precautions

- 2.1 Continued surveillance and assessment of plant conditions are necessary to ensure that the emergency classification is appropriately revised as conditions change, or more definitive information is obtained.
- 2.2 Corrective actions to contend with the situation and to mitigate possible deterioration in plant conditions shall be conducted in accordance with the BVPS Operating Manual while simultaneously implementing this instruction.

## 2.0 Specific Initiating Events


### 2.1 Radioactivity Release to the Atmosphere or Unexpected Increases in In-Plant Radiation Levels.

- 2.1.1 Perform corrective measures to terminate release or regain control over plant radiation levels.
- 2.1.2 Initiate offsite dose projections per EPP/IP 2.6.1, "Dose Projection - General Methods", and EPP/IP 2.6, "Dose Projection, if necessary."
- 2.1.3 Initiate onsite radiation surveys per EPP/IP 2.2, "Onsite Monitoring for Airborne Release", and offsite radiation surveys per EPP/IP 2.3, "Offsite Monitoring for Airborne Release".
- 2.1.4 Depending upon radiation survey results and accident conditions refer to the following procedures if appropriate:
  - a) "Evacuation", EPP/IP 3.1
  - b) "Personnel Accountability", EPP/IP 3.2
  - c) "Search and Rescue", EPP/IP 5.1
  - d) "Re-entry to Affected Areas", EPP/IP 6.1
- 2.1.5 Note the reading on the Control Room Radiation Monitor (RM-1RM-213) to evaluate habitability of the Control Room.
- 2.1.6 Continue assessment actions and if necessary escalate the classification per EPP/I-1.

### 2.2 Radioactive Release to the Ohio River.

- 2.2.1 Perform appropriate corrective measures to terminate the release.
- 2.2.2 Determine the activity of the release by effluent monitor reading or by estimate per EPP/IP 2.7, "Liquid Release Estimate".
- 2.2.3 Confirm activity estimate results by sampling and analysis per EPP/IP 2.4, "Offsite Monitoring for Liquid Release".

- 1.5 Notify the designated Emergency/Recovery Manager or alternate of the emergency condition and place him on standby in anticipation of a possible escalation in the emergency classification.

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Manager, Nuclear Operations	T.D. Jones			
b) Manager, Nuclear Safety & Licensing	J.D. Sieber			
c) Manager, Nuclear Support Services	F.J. Bissert			
d) Technical Assistant To V.P.	R.F. Balcerek			

- 1.6 Activate the emergency response organizations using the beepers or Emergency Call-List per EPP/IP 1.2.1. This will activate the Technical Support Center while placing the Emergency Operations Facility in a standby position.

- 1.7 Activate the Operations Support Center and the Radcon Operations Center per EPP/IP 1.5, "Emergency Support Centers (OSC, ROC) Activation, Operation and Deactivation."

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NOTE

If all call backs are not received from designated offsite agencies after a reasonable period of time, remake the initial notification call per EPP/IP 1.1.

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- 1.8 As conditions change update DLC Public Information Department.
- 1.9 As conditions change, periodically check EPP/I-1 to determine whether reclassification is necessary.
- 1.10 Continue emergency operations until such time as plant conditions have stabilized and other termination criteria per EPP/IP 6.2, "Termination of the Emergency and Recovery", have been satisfied.



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NOTE

State agencies responsible for water quality will likely initiate water sampling at downstream water treatment plants. These agencies will curtail the use of water, based on projected radioactivity concentrations. This protective action and the dilution volume of the Ohio River significantly reduce the potential for offsite doses in excess of 170 mRem (any organ) due to liquid release.

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3.0 Miscellaneous Initiating Events

- 3.1 Fire/Explosion per EPP/IP 8.1, "Fires in Controlled Areas", and BVPS Operating Manual, Chapter 56B.
- 3.2 Tornado/Earthquake/Storms/Flooding per BVPS Operating Manual, Chapter 53.

F. Final Conditions

- 1.0 Oncoming Emergency Director contacted.
- 2.0 EOF Director contacted.
- 3.0 Initial Offsite notifications initiated
- 4.0 The Alert has been closed out with normal station administration resumed, a recovery organization established or the emergency reclassified.

G. Attachments

- 1.0 Checklist - Gas
- 2.0 Checklist - Liquid

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Attachment 1 (1 of 2)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

Alert - Gas

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-3	1.1	Implement corrective actions (Stop release)	_____	_____
I-3	2.2	Initiate and continue dose projection (EPP/IP-2.6)	_____	_____
I-3	1.2	Complete Initial Notification Form	_____	_____
I-3	2.3	Initiate onsite radiation survey (EPP/IP-2.2)	_____	_____
I-3	2.4	Evacuate personnel if necessary (EPP/IP-3.1)	_____	_____
I-3	1.3	Notify designated Emergency Director	_____	_____
I-3	1.4	Notify offsite authorities including Coast Guard and Westinghouse (EPP/IP-1.1)	_____	_____
I-3	1.5	Place Emergency/Recovery Manager on Standby	_____	_____
I-3	2.6	If dose rate at site boundary 120 mrem/hr or possible accumulative dose of 170 mrem classify as Site Area Emergency	_____	_____

Attachment 1 (2 of 2)

I-3	1.6	Activate Technical Support Center (EPP/IP-1.4) (EPP/IP-1.3). Activate Radcon Operations Center, Operations Support Center (EPP/IP-1.5), if necessary	_____	_____
I-3	1.8,9	Complete follow-up notification	_____	_____
I-3	1.10	Have Public Information Department complete their notifications	_____	_____
I-3	1.12	Terminate when termination criteria (EPP/IP-6.3) have been met	_____	_____

Attachment 2 (1 of 2)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

Alert - Liquid

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-3	1.1	Implement corrective actions (Stop release)	_____	_____
I-3	3.2	Estimate release (EPP/IP-2.7). If 10 MPC, notify offsite authorities immediately	_____	_____
4.1	6	If 10 MPC advise Midland Water Treat- ment Plant to stop taking water from Ohio River	_____	_____
I-3	1.2	Complete Initial Notification Form	_____	_____
I-3	1.3	Notify designated Emergency Director	_____	_____
I-3	1.4	Notify offsite authorities including Coast Guard, US Corps of Engineers Westinghouse, and Water Treatment Plants (EPP/IP-1.1)	_____	_____
I-3	1.5	Place Emergency/Recovery Manger on Standby	_____	_____
I-3	3.3	Determine activity by sampling (EPP/IP-2.4)	_____	_____

Attachment 2 (2 of 2)

I-3	1.6	Activate Technical Support Center (EPP/IP-1.4) (EPP/IP-1.3). Activate Radcon Operations Center, Operations Support Center (EPP/IP-1.5), if necessary	_____	_____
I-3	1.8,9	Complete follow-up notification	_____	_____
I-3	1.10	Have Public Information Department complete their notifications	_____	_____
I-3	1.12	Terminate when termination criteria (EPP/IP-6.3) have been met	_____	_____

EPP/I-4  
11/29/83

SITE AREA EMERGENCY

OSC Meeting Number: 119

Reviewed: November 22, 1983

Approved: *Wm S. Harvey*  
Station Superintendent

Approved: *J. D. Sieber*  
Manager, Nuclear Safety & Licensing Dept.

Issue 7 Rev. 2



TABLE OF CONTENTS

- A. Purpose
- B. References
- C. Responsibilities
- D. Action Level/Precautions
- E. Procedures
- F. Final Conditions
- G. Attachments

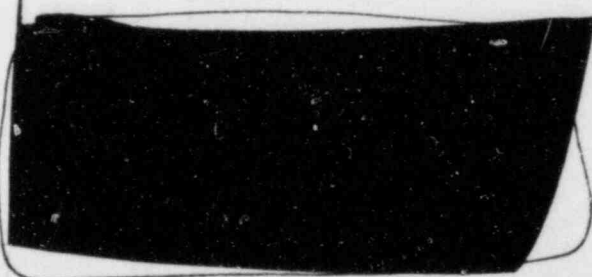
## 2.0 Precautions

- 2.1 Continued surveillance and assessment of plant conditions are necessary to ensure that the emergency classification is appropriately revised as conditions change or more information is obtained.
- 2.2 The Site Area Emergency is the lowest emergency classification in which offsite protective actions for airborne releases may be warranted. In consideration of the lead time necessary to implement protective actions, notifications of offsite authorities must be made within fifteen minutes after declaration of a Site Area Emergency.

## E. Procedure

### 1.0 All Site Area Initiating Events

- 1.1 Sound Stand-by Station Alarm once and announce that a Site Area Emergency has been declared. Also included in the announcement should be instructions to activate the Emergency Response facilities and instructions for all non-essential personnel.
- 1.2 Implement appropriate assessment or corrective actions. Complete Attachment 1, EPP/1.1, Initial Notification Form and instruct offsite notifications commence per EPP/IP-1.1.
- 1.3 Notify the designated Emergency Director or his alternate.

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Station Supt, Unit 1	W.S. Lacey			
b) Chief Engineer	R.J. Druga			
c) Supt. of Tech. Services	M. Coppula			
d) Supt. of Licensing and Compliance	K.D. Grada			

EPP/Implementing Procedure  
Site Area Emergency

A. Purpose

This instruction describes the actions to be taken in the event that a Site Area Emergency has been declared at the Beaver Valley Power Station.

B. References

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

C. Responsibilities

The Emergency Director (Shift Supervisor, until properly relieved by a designated alternate) has the responsibility and authority for completion of the prescribed actions in this instruction. When the Emergency Operations Facility is operational, this responsibility is assumed by the Emergency/Recovery Manager.

D. Action Levels/Precautions

1.0 Action Levels

- 1.1 A Site Area Emergency has been declared based on the occurrence of events which involve actual or likely failures of plant functions needed for the protection of the public. Events classified as Site Area emergencies are described in EPP/I-1.
- 1.2 An Unusual Event or an Alert emergency condition had been declared and emergency measures are being performed and on the basis of subsequent information or upon deterioration in plant conditions, the condition has been reclassified as a Site Area Emergency.

- 1.4 Notify the designated Emergency/Recovery Manager or his alternate.

Alternate:

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Manager, Nuclear Operations	T.D. Jones			
b) Manager, Nuclear Safety and Licensing	J.D. Sieber			
c) Manager, Nuclear Support Services	F.J. Bissert			
d) Manager, Nuclear	R.F. Balcerek			

- 1.5 Activate the following Emergency Response Centers: Technical Support Center, Emergency Operations Facility, Operations Support Center, Radcon Operations Center and notify appropriate personnel to staff these facilities. The following procedures may be referenced:

1.5.1 EPP/IP-1.4 "TSC Activation Operation and Deactivation".

1.5.2 EPP/IP-1.6 "EOF Activation, Operation and Deactivation".

1.5.3 EPP/IP-1.5 "Emergency Support Center (OSC, ROC) Activation Operation, and Deactivation".

1.5.4 Monthly BVPS Telephone Call-list.

- 1.6 Complete Attachment 3, EPP/IP-1.1, Follow-up Notification Form and provide information to offsite agencies upon call back per EPP/IP-1.1.

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NOTE

If all call backs are not received from designated offsite agencies after a reasonable period of time, remake the initial notification call per EPP/IP 1.1.  
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- 1.7 Continue assessment actions. According to plant conditions the following may be referenced:
    - 1.7.1 EPP/IP-3.1 "Evacuation"
    - 1.7.2 EPP/IP-3.2 "Personnel Accountability"
    - 1.7.3 EPP/IP-3.3 "Search and Rescue"
  - 1.8 Update offsite authorities/agencies as conditions change. If requested by offsite agencies, provide DLC Liaisons to the offsite Emergency Operations Centers.
  - 1.9 If plant conditions deteriorate, escalate the emergency classification. Perform actions in accordance with the appropriate EPP/Instructions.
  - 1.10 Continue emergency operations until such time as plant conditions have stabilized and other termination criteria of EPP/IP-6.2, "Termination of the Emergency and Recovery" have been satisfied.
- 2.0 Specific Initiating Events
- 2.1 Radioactivity Release to the Atmosphere of Unexpected Increase In-plant Levels.
    - 2.1.1 Perform corrective measures to terminate the release or to regain control over plant radiation levels.
    - 2.1.2 Initiate offsite dose projection activities per EPP/IP-2.6.1, "Dose Projection - General Methods", continuing with EPP/IP-2.6, "Dose Projection", if necessary.
    - 2.1.3 Initiate emergency onsite radiation surveys per EPP/IP-2.2, "Onsite Monitoring of Airborne Release", and offsite radiation surveys per EPP/IP-2.3, "Offsite Monitoring of Airborne Release".
    - 2.1.4 Based on the results of the dose projection activities recommend an appropriate protective action to offsite authorities per EPP/IP-4.1, "Recommendation of Offsite Protective Actions".

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NOTE  
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The Emergency/Recovery Manager (Emergency Director until the EOF is activated) is the only individual authorized to determine and recommend a protective action to offsite authorities.

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2.1.5      Remain aware of the reading on the Control Room Area Radiation Monitor (RM-IRM-213) and obtain appropriate airborne radioactivity samples.

2.1.6      Based on the survey results, reclassify the emergency as appropriate per EPP/I-1. Offsite authorities must be notified of any reclassification.

2.2   Radioactive Release to the Ohio River.

2.2.1      Liquid releases to the Ohio River are not identified as initiating events for a Site Area Emergency since it is unlikely to have offsite doses in excess of 170 mrem (any organ) due to the release. A liquid release could occur concurrent with the events which initiate the Site Area emergency. Corrective actions and assessment measures for liquid releases are provided in Section E 2.2 of EPP/I-3.

2.3   Miscellaneous Initiating Events

2.3.1      Fire/Explosion per EPP/IP-8.1, "Fires in Controlled Areas", and Chapter 56B of the Beaver Valley Power Station Operating Manual.

2.3.2      Tornado/Earthquake/Storms/Flooding per Chapter 53 BVPS Operating Manual.

F.   Final Conditions

1.0   Oncoming Emergency Director contacted.

2.0   Emergency/Recovery Manager contacted.

3.0   Offsite notifications initiated and updated.

4.0   The Site Area Emergency has been closed out with normal station administration resumed and a recovery organization established or the emergency is reclassified.

G.   Attachments

1.0   Checklist



Attachment 1 (1 of 2)

CHECKLIST

Note

The use of this checklist is optional. It is provided as a convenience for the Emergency Director. It need not be filled out, nor retained. This checklist is not intended to replace the EPP/Instruction to which it is attached.

<u>Site Area Emergency</u>				
<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-4	1.1	Implement corrective actions	_____	_____
I-4	2.2	Initiate and continue dose projection (EPP/IP-2.6)	_____	_____
I-4	1.2	Complete Initial Notification Form	_____	_____
I-4	2.3	Initiate onsite radiation survey (EPP/IP-2.3)	_____	_____
I-4	2.4	Initiate offsite radiation survey (EPP/IP-2.3)	_____	_____
I-4	2.5	Recommend protective actions (EPP/IP-4.1) (to be included in all subsequent notifications)	_____	_____
I-4	1.3	Notify designated Emergency Director	_____	_____
I-4	1.4	Notify offsite authorities (EPP/IP-1.1)	_____	_____
I-4	1.5	Notify Emergency/Recovery Manager	_____	_____
I-4	1.6	Activate TSC	_____	_____
I-4	1.7	Activate EOF, OSC, ROC	_____	_____
I-4	2.6	Use respirators if necessary	_____	_____



CHECKLIST (continued)

Site Area Emergency

<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-4	1.8,9	Complete follow-up notification	_____	_____
I-4	2.7	Reclassify if necessary	_____	_____
I-4	1.10	Have Public Information Department complete their notifications, activate ENC	_____	_____
I-4	1.11	Implement unit evacuation (EPP/IP-3.1) (EPP/IP-3.2) (EPP/IP-5.1)	_____	_____
I-4	1.12	Periodically disseminate info to offsite authorities	_____	_____
I-4	1.13	If plant conditions deteriorate, escalate classification	_____	_____
I-4	1.14	Terminate when termination criteria (EPP/IP-6.2) have been met	_____	_____

EPP/I-5  
11/29/83

GENERAL EMERGENCY

OSC Meeting Number: 119

Reviewed: November 22, 1983

Approved: *Wm S Lacey*  
Station Superintendent

Approved: *J. L. Lacey*  
Manager, Nuclear Safety & Licensing Dept.

TABLE OF CONTENTS

- A. Purpose
- B. References
- C. Responsibilities
- D. Action Level/Precautions
- E. Procedures
- F. Final Conditions
- G. Attachments

EPP/Implementing Procedure  
General Emergency

A. Purpose

This instruction describes the actions to be taken in the event that a General Emergency has been declared at the Beaver Valley Power Station.

B. References

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

C. Responsibilities

The Emergency Director (Shift Supervisor, until properly relieved by a designated alternate) has the responsibility and authority for the completion of the prescribed actions in this instruction. When the Emergency Operations Facility is operational, this responsibility is assumed by the Emergency/Recovery Manager.

D. Action Levels/Precautions

1.0 Action Levels

- 1.1 A General Emergency has been declared based on the occurrence of events which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Events classified as General Emergencies are described in EPP/I-1.
- 1.2 A less severe emergency has been declared and emergency measures are being performed; and on the basis of subsequent information or upon a deterioration in plant conditions, the condition has been reclassified as a General Emergency.


## 2.0 Precautions

- 2.1 Continued surveillance and assessment of plant conditions are necessary to ensure that the emergency classification is appropriately revised as conditions change or more definite information is obtained.
- 2.2 The General Emergency classification includes actual or imminent events for which offsite protective actions will be needed. Notifications to offsite authorities must be made within 15 minutes after the declaration of the General Emergency.
- 2.3 Corrective actions to contend with the situation and to mitigate possible deterioration in plant conditions in accordance with the BVPS Operating Manual shall be conducted simultaneously with this instruction.

## E. Procedure


### 1.0 All General Emergency Initiating Events

- 1.1 Sound Stand-by Station Alarm once and announce that a General Emergency has been declared. Included in the announcement should be instructions for activating the Emergency Response Facilities and for all non-essential personnel.
- 1.2 Implement appropriate assessment actions. Complete Attachment 1, EPP/IP 1.1 and instruct offsite notification to commence per EPP/IP 1.1.
- 1.3 Notify the designated Emergency Director or his alternate.

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Station Supt. Unit #1	W.S. Lacey			
b) Chief Engineer	R.J. Druga			
c) Supt. of Technical Services	M. Coppola			
d) Supt of Licensing and Compliance	K.D. Grada			

- 1.4 Notify the designated Emergency/Recovery Manager or his alternate.

<u>Title</u>	<u>Name</u>	<u>Pax</u>	<u>Bell</u>	<u>Residence</u>
a) Manager, Nuclear Operations	T.D. Jones			
b) Manager, Nuclear Safety & Licensing	J.D. Sieber			
c) Manager, Nuclear Support Services	F.J. Bissert			
d) Technical Asst. to V.P.	R.F. Balcerek			



- 1.5 Activate the following emergency response centers: Technical Support Center, Emergency Operations Facility, Operations Support Center, Radcon Operations Center, and notify appropriate personnel to staff these facilities. The following procedures may be referenced:

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

1.5.2 EPP/IP 1.6 - "Emergency Operations Facility, Activation, Operation and Deactivation".

1.5.3 EPP/IP 1.5 - "Emergency Support Center (OSC + ROC) Activation, Operation and Deactivation".

1.5.4 Monthly BVPS Telephone Call-list.

- 1.6 If the incident occurs during off-hours and TSC and EOF personnel are unable to approach the site, the Shift Supervisor retains the position of Emergency Director in the Control Room until the alternate EOF has been activated, communications established, and the designated Emergency Director or alternate has relieved the Shift Supervisor from the alternate EOF.

- 1.7 Complete Attachment 3, follow-up verification Form, EPP/IP 1.1 using the most current data and provide offsite agencies upon verification callback.



-----  
NOTE

If all call backs are not received from the designated offsite agencies after a reasonable period of time, remake the initial notification call per EPP/IP 1.1

-----

- 1.8 Continue assessment action. According to plant conditions the following procedures may be referenced:

- 1.8.1 EPP/IP 3.1 "Evacuation"
- 1.8.2 EPP/IP 3.2 "Personnel Accountability"
- 1.8.3 EPP/IP 5.1 "Search and Rescue"

- 1.9 Direct Radcon personnel to perform radiation and airborne radioactivity surveys at the designated assembly areas. Relocation or a Site evacuation may be necessary.
- 

NOTE

The implementation of a Site evacuation must be based on the protective action which result in the lowest personnel exposure. Evacuations should be initiated either before, or after passage of the release and evacuation routes chosen to lead personnel away from the plume. The Emergency Director should consider the dose rate at personnel assembly areas, dose rate onsite, and dose rates along the routes in making an evacuation decision.

-----

- 1.10 Ensure offsite dose projection activities are initiated in accordance with EPP/IP 2.6.1, "Dose Projections - General Methods", and continue as necessary per EPP/IP 2.6, "Dose Projection".
- 1.11 Initiate onsite radiation surveys per EPP/IP 2.2, "Onsite Monitoring for Airborne Release", and offsite surveys per EPP/IP 2.3, "Offsite Monitoring for Airborne Release".
- 1.12 Based on the results of the dose projection activities, recommend appropriate offsite protective actions. The Emergency Director is the only individual authorized to determine and recommend a protective action to offsite authorities. This authority shifts to the Emergency/Recovery Manager when the EOF is activated.



1.13 Update offsite authorities/agencies as conditions warrant.  
If requested by offsite Emergency Operation Centers provide  
DLC liaisons.

1.14 Continue emergency operations until such time as plant  
conditions have stabilized and other termination criteria of  
EPP/IP 6.2, "Termination of the Emergency and Recovery", have  
been satisfied.

F. Final Conditions

1.0 Oncoming Emergency Director contacted.

2.0 Emergency/Recovery Manager contacted

3.0 Offsite notifications initiated.

4.0 The General Emergency has been closed out with normal station  
administration resumed and a recovery organization established or  
the emergency has been reclassified.

G. Attachments

1.0 Checklist

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Attachment 1 (1 of 2)

<u>General Emergency</u>				
<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-5	1.1	Implement Corrective Actions	_____	_____
I-5	1.2	Complete Initial Notification Form	_____	_____
I-5	1.3	Notify designated Emergency Director	_____	_____
I-5	1.4	Notify offsite authorities (EPP/IP-1.1)	_____	_____
I-5	1.6	Notify the designated Emergency/ Recovery Manager	_____	_____
I-5	1.6	Activate TSC	_____	_____
I-5	1.7	Activate EOF, OSC, ROC	_____	_____
I-5	1.9,10	Complete follow-up notification	_____	_____
I-5	1.12	Implement unit evacuation if a release is or is about to occur (EPP/IP-3.1, 3.2, 5.1). Consider other evacuations (EPP/IP-3.1)	_____	_____
I-5	1.13	Have Public Information Department complete their notifications	_____	_____
I-5	1.14	Initiate and continue dose project. (EPP/IP-2.6)	_____	_____
I-5	1.15	Initiate onsite radiation survey (EPP/IP-2.2)	_____	_____
I-5	1.16	Initiate offsite radiation survey (EPP/IP-2.3)	_____	_____

Attachment 1 (2 of 2)

<u>General Emergency</u>				
<u>EPP/IP</u>	<u>STEP</u>	<u>OUTLINE</u>	<u>Initial</u>	<u>Time</u>
I-5	1.17	Recommend protective actions (EPP/IP-4.1)	_____	_____
I-5	1.18	Use respirators if necessary	_____	_____
I-5	1.19	Periodically disseminate info to offsite authorities	_____	_____
I-5	1.20	Terminate when termination criteria (EPP/IP-6.2) have been met	_____	_____

NOTIFICATIONS

OSC Meeting Number: 119

Reviewed: November 22, 1983

Approved: *W. S. Lacey*  
Station Superintendent

Approved: *J. L. Licher*  
Manager, Nuclear Safety & Licensing Dept.

TABLE OF CONTENTS

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

EPP/Implementing Procedure  
Notifications

A. PURPOSE

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

B. REFERENCES

- 1.0 Beaver Valley Power Station Emergency Preparedness Plan
- 2.0 Commonwealth of Pennsylvania Disaster Operations Plan/Annex E.
- 3.0 State of Ohio Nuclear Power Plant Emergency Response Plan.
- 4.0 West Virginia Radiological Emergency Plan for A Fixed Nuclear Facility.
- 5.0 Title 10 Code of Federal Regulations Part 50, Appendix E.
- 6.0 NUREG-0654/FEMA-REP-1 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".

C. RESPONSIBILITIES

The Communications and Records Coordinator is responsible to ensure that all required offsite notifications are completed within the proper time frame following the declaration of an emergency.

D. ACTION LEVELS/PRECAUTIONS

- 1.0 This procedure is to be initiated upon any of the following conditions:
  - 1.1 An emergency condition has been declared at the Beaver Valley Power Station as defined in the BVPS Emergency Preparedness Plan.
  - 1.2 An existing emergency condition has been reclassified to a higher emergency category, and/or, a significant deterioration in conditions has occurred.
  - 1.3 The emergency situation has been corrected and the emergency terminated, and recovery operations have begun.
- 2.0 To minimize the spread of rumors and undue public anxiety, the following precautions should be followed:
  - 2.1 All initial and follow-up notifications shall be made with telephone as the primary means, with predesignated back-ups available in the event the telephone systems are inoperable.



- 2.2 No information shall be provided to any individual whose identity is unknown, or to any organization not listed on the Emergency Notification Call-List. Any calls of this nature should be relayed to DLO-PID.
- 2.3 No press releases on the incident shall be made prior to completion of all notifications, and will be made only by Duquesne Light Company Public Information Department.

E. PROCEDURE

- 1.0 Upon declaration of an emergency, the Emergency Director shall:
  - 1.1 Complete or approve the appropriate Initial Notification Form, Attachment 1, and the NRC Event Notification Form, Attachment 4.
  - 1.2 Complete or authorize completion of the Follow-up Notification Form, Attachment 3.
  - 1.3 For a General Emergency, approval of the Initial and Follow-up Notification Forms must be obtained from the Emergency/Recovery Manager.

-----  
NOTE

Ensure that the "EPP Switches" associated with the telephones in the Control Room are positioned in the EPP position during emergency operations.  
-----

2.0 Notifications

- 2.1 Contact each organization or individual using the Emergency Notification Call-List, Attachment 2.
- 2.2 When party answers, read the introduction paragraph on the initial notification form and pause to allow the individual to obtain his copy of the form.
- 2.3 Read the text of the notification, emphasizing the variable information. The initial notification must be kept simple and non-technical. Emphasize the code word.
- 2.4 The Follow-up Notification Form should be updated as necessary information changes.
- 2.5 If a party cannot be contacted in a reasonable period of time, bypass that party and proceed down the list. After other required notifications are complete, re-attempt to

contact any by-passed parties. Every effort must be made to contact the organizations listed in Attachment 2 and all attempts must be documented.

### 3.0 Follow-Up Notifications

- 3.1 The follow-up notification provides technical information to those qualified to use the data and serves as a means to verify the authenticity of an emergency notification. The code word also provides verification.
- 3.2 Relay the information on the Follow-up Notification Form, Attachment 3 and record caller's name in space provided on Emergency Notification Call-List.
- 3.3 Ensure all agencies initially contacted perform the verifications call. If not, contact agency again and request information be relayed to the appropriate individual who will in turn perform the call-back.

### 4.0 Subsequent Notifications

- 4.1 If it becomes necessary to reclassify the emergency to a higher (or lower) classification, the Initial Notification Form is used and notifications are made in the same manner specified in Section E-2 of this procedure.
- 4.2 The Follow-up Notification Form should be updated as the necessary information changes.
- 4.3 When the emergency situation at BVPS has been terminated, complete Attachment 5, Emergency Termination Form.

### 5.0 Transfer of Responsibility

- 5.1 When TSC personnel are activated and have arrived on site, perform turnover per communicators optional checklist.
- 5.2 When informed by TSC Communications and Records Coordinator, transfer communication responsibilities from the Control Room to the Technical Support Center.

F. FINAL CONDITIONS

- 1.0 Use of this procedure shall be terminated when the emergency situation is corrected or when directed by the Emergency Director.

G. ATTACHMENTS

- 1.0 Initial Notification Form
- 2.0 Emergency Notification Call-List
- 3.0 Follow-up Notification Form
- 4.0 NRC Event Notification Form
- 5.0 Emergency Termination Form

BEAVER VALLEY POWER STATION

Attachment 1 (1 of 1)

Initial Notification Form

INSTRUCTIONS

1. Read the following:

"This is the Beaver Valley Power Station. The following is a notification of an emergency. Record the information to follow on the Emergency Initial Notification Form:

2. This is \_\_\_\_\_ Title \_\_\_\_\_  
(Name) (Emergency Organization Title)  
of Duquesne Light Company.
3. Emergency Class: \_\_\_\_\_ UNUSUAL EVENT \_\_\_\_\_ SITE EMERGENCY  
\_\_\_\_\_ ALERT \_\_\_\_\_ GENERAL EMERGENCY
4. Radioactivity: \_\_\_\_\_ Has Not Been Released \_\_\_\_\_ Is Being Released  
\_\_\_\_\_ Release Has Been Stopped \_\_\_\_\_  
\_\_\_\_\_ Within Plant \_\_\_\_\_ From Plant
5. Type of Release: \_\_\_\_\_ Airborne \_\_\_\_\_ Waterborne \_\_\_\_\_ Surface Spill
6. Protective Actions: \_\_\_\_\_ None Recommended \_\_\_\_\_ Recommended as follows:

7. This notification was made at \_\_\_\_\_ on \_\_\_\_\_  
(Time) (Date)

Return phone number is (412) 643-8000.

8. Please repeat back the information you have recorded to ensure accuracy.
9. Notify the appropriate individual(s) of your organization or agency.
10. CODE \_\_\_\_\_

FOR BCEMA/PEMA/HCES/CCDSA/USNRC ONLY:

11. Request the appropriate individual in your organization contact the station for additional information if deemed necessary.

Approved:

\_\_\_\_\_  
Emergency Director/Emergency/Recovery Manager

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# EPP/Implementing Procedure Notifications

EPP/IP 1.1

## EMERGENCY NOTIFICATION CALL-LIST

NOTE: Calls to the offsite agencies listed on the sheet must be made in the sequence shown, as rapidly as possible following declaration of an emergency, and prior to any notifications on remaining sheets. If one of the organizations cannot be reached, continue with the next, and then re-attempt to notify the bypassed party before moving to subsequent sheets.

### Organization/Individual


1. BEAVER COUNTY EMERGENCY MANAGEMENT AGENCY (BCEMA) RELAY TO R. CHODO
2. a. PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY (PEMA) Duty Officer (UNUSUAL EVENT AND GENERAL ONLY)
- b. DEN/BUREAU OF RADIATION PENNSYLVANIA (ALERT AND SITE AREA)
3. COLUMBIANA COUNTY DISASTER SERVICES AGENCY (CCDSA) Dispatcher - RELAY TO M. LIPPIATT

Emergency Number	Alternate	Initial Contact/ Verification Contact	Time



EPP/Implementing Procedure  
Notifications

EMERGENCY NOTIFICATION CALL-LIST

Organization/Individual	Emergency Number	Alternate	Initial Contact/ Verification Contact	Time
4. HANCOCK COUNTY OFFICE OF EMERGENCY SERVICES (HCOES) Dispatcher - RELAY TO A. KONDIK				
5. OHIO DISASTER SERVICES AGENCY (ODSA) (ALERT AND HIGHER)				
6. US NUCLEAR REGULATORY COMMISSION Duty Officer				
7. General Emergency Only				
WEST VIRGINIA OFFICE OF EMERGENCY SERVICES (WVOES)				

NOTE: The above notifications must be completed within fifteen (15) minutes.



# EPP/Implementing Procedure Notifications

EPP/IP i.1

## Organization/Individual

8. BVPS-1 SUPERINTENDENT

W. S. Lacey

- a) The Station Superintendent  
notifies the Manager, Nuclear  
Operations  
T. D. JONES

- b) The Manager, Nuclear Operations  
notifies the V.P. Nuclear Division  
J. J. CAREY

9. BVPS-1 OPERATIONS SUPERVISOR

L. G. Schad

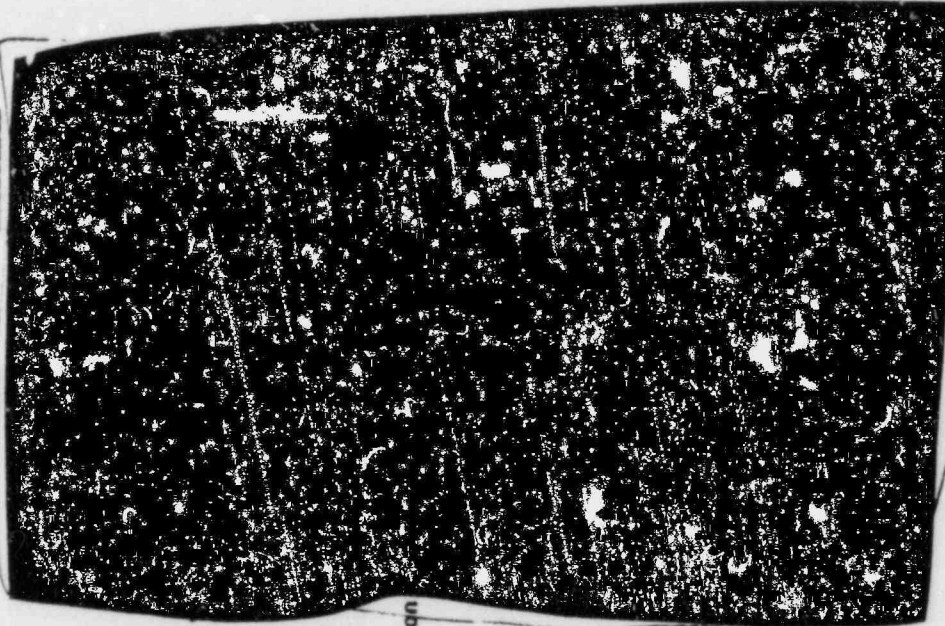
10. SHIPPINGPORT ATOMIC POWER STATION

11. BVPS UNIT 2 CONSTRUCTION

R. Swiderski

(Backshifts & weekends DLC-CDM or  
SBI-Guard)

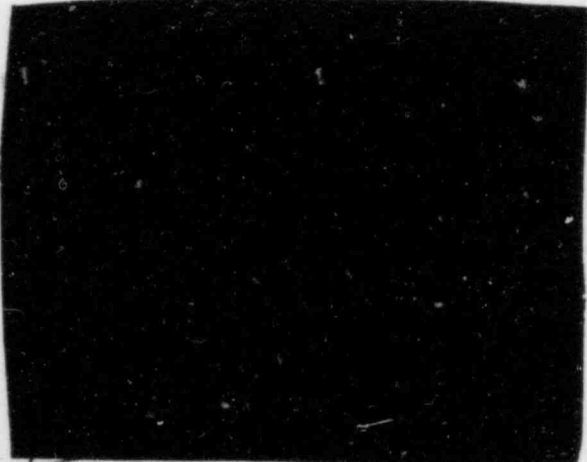
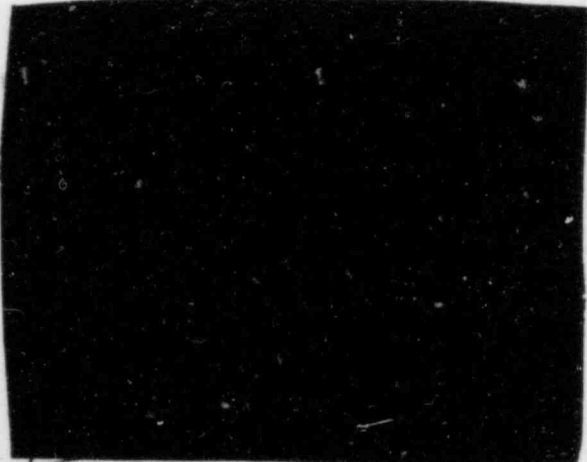

## EMERGENCY NOTIFICATION CALL-LIST

Emergency Number	Alternate	Initial Contact/ Verification Contact	Time
			

EPP/Implementing Procedure  
Notifications

EPP/IP 1.1

EMERGENCY NOTIFICATION CALL-LIST

<u>Organization/Individual</u>	<u>Emergency Number</u>	<u>Alternate</u>	<u>Initial Contact/ Verification Contact</u>	<u>Time</u>
12. DLC PUBLIC INFORMATION DEPARTMENT  (Notify one)  J. D. Frank  D. O. Messner  F. Skiedar  J. M. Sasala  J. F. Grogan			_____	_____
			_____	_____
			_____	_____
			_____	_____
			_____	_____
			_____	_____
13. BRUCE MANSFIELD POWER STATION  (Normal Working Hours)  (Ops. Shift Clerk off-shift, weekends, holidays)			_____	_____
			_____	_____
14. BEEPER ACTIVATION - (Calls should be made several times during Alert notifications).  a) Beaver County  b) Pittsburgh Area  (Numbers <u>  7  </u> available from Shift Supervisor)			Request operator to tone out # <u>  7  </u>	

\* Indicates personnel with beepers

EPP/Implementing Procedure  
Notifications

EPP/IP 1.1

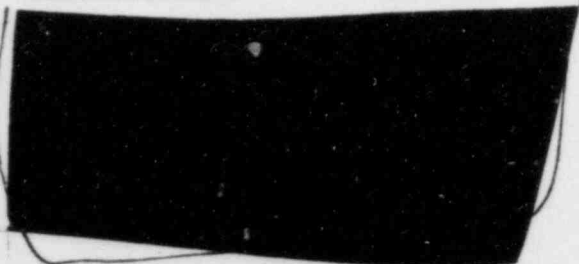

EMERGENCY NOTIFICATION CALL-LIST

Organization/Individual	Emergency Number	Alternate	Initial Contact/ Verification Contact	Time
NOTE: The following organizations are notified <u>only</u> for the accidents noted in parenthesis next to their name.				
15. U.S. COAST GUARD MARINE SAFETY (ALL OFFSITE RELEASES, ACTUAL OR IMMINENT).				
16. U.S. CORPS OF ENGINEERS (LIQUID RELEASE) NEW CUMBERLAND DAM (downriver) MONTGOMERY DAM (upriver)				
17. MIDLAND WATER PLANT (LIQUID RELEASE) Mr. John Uccellini (8:00 - 4:00 daily)				
18. EAST LIVERPOOL WATER PLANT (LIQUID) Mr. Huddleston				
19. CHESTER, W. VA. WATER PLANT (LIQUID) (Notify via HCOES)				
20. WESTINGHOUSE ATOMIC POWER DIVISION a. Mr. Joe Jenkins BELL				

EPP/Implementing Procedure  
Notifications

EPP/IP 1.1

EMERGENCY NOTIFICATION CALL-LIST

<u>Organization/Individual</u>	<u>Emergency Number</u>	<u>Alternate</u>	<u>Initial Contact/ Verification Contact</u>	<u>Time</u>
b. Mr. Gil Kubanscek (Mgr.)			_____	_____
21. INPO (ALERT AND HIGHER)			_____	_____
22. NATIONAL WEATHER SERVICE (SITE AND GENERAL EMERGENCIES)			_____	_____
23. AMERICAN NUCLEAR INSURERS (ALERT AND HIGHER) Fire/All risk emergencies Radiological nuclear emergencies			_____	_____
24. PENNSYLVANIA POWER COMPANY Shift Supervisor Office			_____	_____
25. WEST VIRGINIA DEPT. OF HEALTH/ RADIATION PROTECTION (NOT NECESSARY TO CALL BUT THEY ARE ALL AUTHORIZED TO RECEIVE INFORMATION)			_____	_____

EMERGENCY NOTIFICATION CALL-LIST (cont'd)

Attachment 2 (7 of 8)

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

NOTE: The phone numbers listed below are updated on the annual review. More up-to-date numbers are available in the monthly and quarterly emergency telephone number checklists, and are available in the Control Room.

Pennsylvania State Police (Lt. J. Render)

Pennsylvania State Police (Chippewa Barracks)

Mobile Pipeline Co.

Ashland Pipeline Co.

Freedom Station

Buckeye Pipeline Co.

DOE RAP/IRAP Bookhaven Area Office

Medic-Rescue Ambulance Service

Community Ambulance

Shippingport Fire Department

Aliquippa Hospital Emergency Room

Beaver County Medical Center

Presbyterian University Hospital Emergency Room

Radiation Emergency Response Program

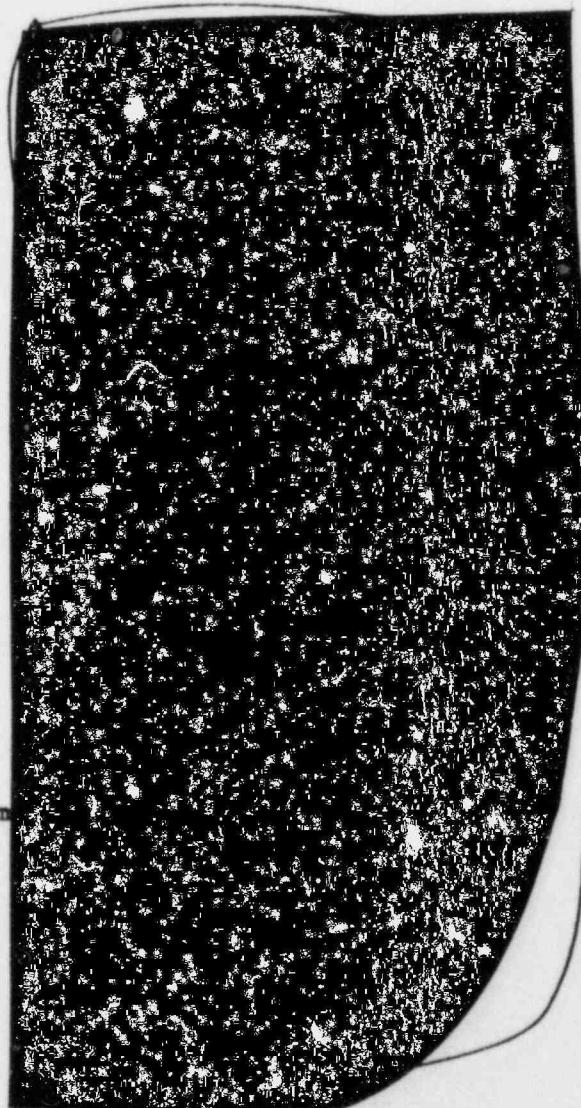
Dr. Neil Wald-Dept. of Radiation Medicine

Dr. Albert Spritzer

McIntosh Hemphill (E. W. Bliss)

Mr. Peterson

Conrail Division Supervisor

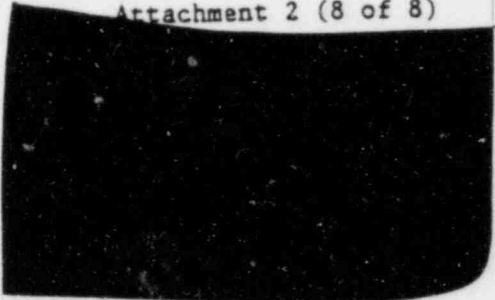




EPP/Implementing Procedure  
Notifications

EPP/IP 1.1

Attachment 2 (8 of 8)



Pittsburgh and Lake Erie Chief Dispatcher

US Weather Bureau-Pittsburgh  
Air Pollution Meteorologist  
Forecast Office (24-hr)  
Coraopolis Office

BEAVER VALLEY POWER STATION

Follow-Up Notification Form

Attachment 3 (1 of 6)

The following data represent the most current and most accurate information, projections, and/or prognosis available at the time this notification was made.

TIME: \_\_\_\_\_ Date: \_\_\_\_\_ By: \_\_\_\_\_

Return phone number: \_\_\_\_\_

1. Affected Facility: Beaver Valley Power Station

2. Unusual Event/Alert  
Site Area/General Emergency Declared at: \_\_\_\_\_ on: \_\_\_\_\_  
Time Date

3. Cause of Emergency \_\_\_\_\_

4. Current Plant Status: \_\_\_\_\_

Conditions: Stable/Unstable Reactor: Shutdown/At Power

Equipment Damage: Minor/Major

Cooling: Normal Cooldown/Safety Injection Cooldown/NA

5. Radioactivity Release (If Applicable)

Type of Release: Liquid/Gaseous Release to: Ohio River/Atmosphere

Time Start: \_\_\_\_\_ Release Stopped: Yes/No/NA at: \_\_\_\_\_

Wind Speed (mph) \_\_\_\_\_

Wind Direction From N/NE/NW/S/SE/SW/E/W

Stability Class ABC/D/E/FG

6. Projected Dose or Actual Dose Rate:

Projected Dose (REM) Actual Dose Rate (REM/HR)

Site Boundary

5-mile radius

10-mile radius



Follow-Up Notification Form (Cont'd)

Attachment 3 (2 of 6)

7. Recommended Protective Action: No protective action necessary/\_

Shelter within \_\_\_\_\_ mile radius/Evacuate within \_\_\_\_\_ mile radius

---

Approved: \_\_\_\_\_  
Emergency Director/Emergency/Recovery Manager

BEAVER VALLEY POWER STATION  
Follow-Up Notification

Attachment 3 (3 of 6)

DATE \_\_\_\_\_

TIME \_\_\_\_\_

TYPE OF ACCIDENT

VCT	GST	S/G	MSL	FHA	WGD
LOCA/W	LOCA/NO		FSAR BASIS		LIQUID RELEASE

Radioactive Effluent Release: Yes/No

Type of Release Liquid/Gaseous

Release to Ohio River/Atmosphere

Time Start \_\_\_\_\_ Release Stopped \_\_\_\_\_

Potential for Release Yes/No

Additional Release Yes/No

Meteorological Data:

35' WS \_\_\_\_\_ MPH 500' WD \_\_\_\_\_ °

35' WD \_\_\_\_\_ ° N/NE/NW/S/SE/SW/E/W

Stability Class ABC/D/E/FG

Precipitation \_\_\_\_\_

DOSE PROJECTION METHOD:

PROCEDURE \_\_\_\_\_

ATTACHMENT \_\_\_\_\_

PAGE \_\_\_\_\_

DATE _____		TIME _____	
Monitor _____	CPM _____	CFM _____	Release Rate _____ Ci/sec
RELEASE DURATION: ACTUAL _____ HRS		PROJECTED _____ HRS	
PROJECTED DOSE OR ACTUAL DOSE RATE:			
<u>Affected Area</u> Sectors/Radius		<u>Projected Dose</u> WB (REM) / Thyroid (REM)	
EAB	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Monitoring Pt.	Sector	<u>ACTUAL DOSE RATE</u> Miles	mR/HR CPM mRem/HR Thyroid
EAB	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
RECOMMENDED PROTECTIVE ACTION:		APPROVAL _____	
NO PROTECTIVE ACTION NECESSARY/PROTECTIVE ACTION _____			
SHELTER (Sector/Distance) _____			
_____			
EVACUATE (Sector/Distance) _____			
_____			
OTHER _____			
_____			

BEAVER VALLEY POWER STATION  
Follow-Up Notification

Attachment 3 (5 of 6)

DATE \_\_\_\_\_

TIME \_\_\_\_\_

TYPE OF ACCIDENT

VCT	GST	S/G	MSL	FHA	WGT
LOCA/W	LOCA/NO		FSAR BASIS		LIQUID RELEASE

Radioactive Effluent Release: Yes/No

Type of Release Liquid/Gaseous

Release to Ohio River/Atmosphere

Time Start \_\_\_\_\_ Release Stopped \_\_\_\_\_

Potential for Release Yes/No

Additional Release Yes/No

Meteorological Data:

35' WS \_\_\_\_\_ MPH 500' WD \_\_\_\_\_ °

35' WD \_\_\_\_\_ ° N/NE/NW/S/SE/SW/W

Stability Class ABC/D/E/FG

Precipitation \_\_\_\_\_

DOSE PROJECTION METHOD:

PROCEDURE \_\_\_\_\_

ATTACHMENT \_\_\_\_\_

PAGE \_\_\_\_\_

LIQUID RELEASE

Attachment 3 (6 of 6)

DATE	TIME	ACTUAL	PROJECTED
TIME OF RELEASE START			
RELEASE DURATION		hrs	hrs
RELEASE FLOW		gpm	gpm
TOTAL ACTIVITY		uCi/cc	
DILUTION FACTOR			
RADIONUCLIDES IN RELEASE --	Attachment		
NRC MPC FRACTION			
EPA MPC FRACTION			
RECOMMENDED PROTECTIVE ACTION:	APPROVAL		
<u>NO PROTECTIVE ACTION NECESSARY/PROTECTIVE ACTION</u>			
IF RELEASE INDICATES AN ALERT EMERGENCY, NOTIFY THE MIDLAND WATER TREATMENT PLANT AND RECOMMEND THE PLANT STOP INTAKE FROM THE OHIO RIVER UNTIL NOTIFIED BY DER/BRP.			

EVENT NOTIFICATION

TYPE OF NOTIFICATION: \_\_\_\_\_ EVENT TIME: \_\_\_\_\_ EST NRC REGION: 1 DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_ CALL BACK NUMBER: (412) 643-8002  
FACILITY OR ORGANIZATION: DUQUESNE LIGHT-BEAVER VALLEY UNIT #1 CALLER'S NAME AND TITLE: \_\_\_\_\_

EVENT CLASSIFICATION/REQUIRED NOTIFICATIONS

☐ NOTIFICATION OF UNUSUAL EVENT

☐ ALERT

☐ SITE AREA EMERGENCY

☐ GENERAL EMERGENCY

☐ 50.72 (NON-EMERGENCY)

☐ TRANSPORTATION EVENT

RRR NO. \_\_\_\_\_

☐ PHYSICAL SECURITY/SAFEGUARDS  
CONTROL ROOM NOTIFIED BY \_\_\_\_\_  
(SVPS Security supervisor)

☐ UNPLANNED RELEASE

☐ GAS \_\_\_\_\_

☐ LIQUID \_\_\_\_\_

POWER REACTOR EVENT:

POWER PRIOR TO EVENT? \_\_\_\_\_ POWER AT TIME OF REPORT? \_\_\_\_\_ RESIDENT INFORMED: \_\_\_\_\_

RIP? \_\_\_\_\_ INITIATING SIGNAL? \_\_\_\_\_

AFETI INJECTION OR ECCS? \_\_\_\_\_ INITIATING SIGNAL? \_\_\_\_\_

SV ACTUATION? \_\_\_\_\_

CD ACTION STATEMENT? \_\_\_\_\_

EVENT DESCRIPTION/CAUSE: (Be brief, but concise)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

RADIOACTIVE RELEASE? (Source, actual measured dosage in  $\mu$ Ci or mR/hr) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OTHER MAJOR PROBLEMS? \_\_\_\_\_

\_\_\_\_\_

PLANNED ACTIONS/PRESS RELEASES?

\_\_\_\_\_

STATE AGENCY OR PERSONNEL NOTIFIED BY LICENSEE: \_\_\_\_\_ STATE(S) \_\_\_\_\_ LOCAL \_\_\_\_\_

OTHER \_\_\_\_\_

REQUEST NAME OF DUTY OFFICER: \_\_\_\_\_

AND REQUEST DUTY OFFICER TO REPEAT BACK INFORMATION TO ASSURE ACCURACY \_\_\_\_\_

PLEASE CALL BACK WITH ANY CHANGES OR ADDITIONAL INFORMATION

INTENTIONALLY BLANK



INTENTIONALLY BLANK

BEAVER VALLEY POWER STATION

Emergency Termination Form

Attachment 5 (1 of 1)

"This is Beaver Valley Power Station. This notification is to inform you that the emergency situation at Beaver Valley Power Station has been terminated at \_\_\_\_\_ hrs. Please complete all applicable procedures before terminating".

- 1) Beaver County Emergency Management Agency  
Person Contacted \_\_\_\_\_
- 2) Pennsylvania Emergency Management Agency  
Person Contacted \_\_\_\_\_
- 3) Columbiana County Disaster Services Agency  
Person Contacted \_\_\_\_\_
- 4) Hancock County Office of Emergency Services  
Person Contacted \_\_\_\_\_
- 5) Ohio Disaster Services Agency  
Person Contacted \_\_\_\_\_
- 6) West Virginia Office of Emergency Services  
(General Emergency Level)  
Person Contacted \_\_\_\_\_
- 7) U.S. Nuclear Regulatory Commission  
Person Contacted \_\_\_\_\_



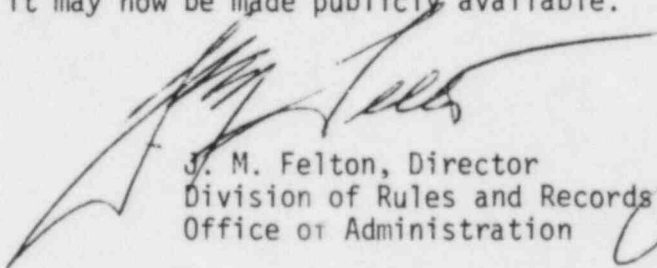
UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

April 3, 1984

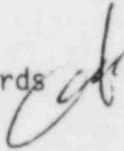
50-334 Beaver Valley

MEMORANDUM FOR: Chief, Document Management Branch, TIDC  
FROM: Director, Division of Rules and Records, ADM  
SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Rules and Records has reviewed the attached document and has determined that it may now be made publicly available.



J. M. Felton, Director  
Division of Rules and Records  
Office of Administration



Attachment: As stated