



Federal Emergency Management Agency

Washington, D.C. 20472

MAR 15 1985

MEMORANDUM FOR: Edward L. Jordan
Director, Division of Emergency Preparedness
and Engineering Response
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission

FROM: Richard W. Krimm
Assistant Associate Director
Office of Natural and Technological
Hazards Programs

SUBJECT: Ohio Schedule of Corrective Actions for Deficiencies
Identified During the Beaver Valley Nuclear Power
Plant (NPP) Offsite Radiological Emergency Preparedness
(REP) Exercise Conducted on June 27, 1984

Attached is the schedule of corrective actions submitted by the State of Ohio for the deficiencies noted in the Final Report for the Beaver Valley NPP Offsite REP Exercise conducted on June 27, 1984. The exercise report was transmitted to you on August 30, 1984.

The Federal Emergency Management Agency Headquarters and Region V staff have reviewed the schedule of corrective actions submitted by Ohio and found it to be adequate.

If you have any questions, please contact Mr. Robert S. Wilkerson, Chief, Technological Hazards Division at 287-0200.

Attachment
As Stated

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PDR ADDCK 05000334
F PDR

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Federal Emergency Management Agency

Region V 300 South Wacker, 24th Floor, Chicago, IL 60606 (312) 353-1500

February 12, 1985

MEMORANDUM FOR: Assistant Associate Director
Office of Natural & Technological Hazards

ATTENTION: Robert Turner, SL-NT-TH

FROM: Wallace J. Weaver, Chairman
Regional Assistance Committee *Wallace J. Weaver*

SUBJECT: State of Ohio & Columbiana County
Schedule of Corrective Actions to
the June 27, 1984 exercise with the
Beaver Valley Nuclear Power Station

Attached is the State of Ohio's schedule of corrective actions to the June 27, 1984 Beaver Valley Radiological Emergency Preparedness Exercise. Within Region V the exercise involved full participation by Columbiana County and partial participation by the State of Ohio, in conjunction with the utility, the Commonwealths of Pennsylvania and West Virginia.

FEMA Region V has determined that the schedule of corrective actions will adequately amend the exercise deficiencies identified in Region V's exercise report dated July 31, 1984. It should be noted that criteria items that required demonstration(s) during the exercise will remain as "open" deficiencies until they are demonstrated in a future exercise.

Attachments: 1. Schedule of Corrective Actions
2. Letter to State of Ohio

Rec'd 2/19

February 11, 1985

Mr. Richard M. Lockhart
Deputy Director
Disaster Services Agency
Adjutant General's Department
2825 West Grandville Road
Worthington, Ohio 43085 - 2712

Dear Dick:

FEMA Region V has reviewed the State of Ohio's schedule of corrective actions, dated January 28, 1985 for the June 27, 1984 Beaver Valley Nuclear Power Station REP exercise where the exercise involved full participation by Columbiana County and partial participation by the State.

It has been determined that the schedule of corrective actions will adequately amend the exercise deficiencies identified in FEMA Region V's exercise report, dated July 31, 1984. The criteria items for the State of Ohio and Columbiana County that require demonstration(s) will remain as an "open" deficiency until they are demonstrated in a future exercise.

If you have any questions, please contact Mr. Dan Bement at FTS 886-9446 or Mr. Robert Shapiro at FTS 372-6011.

Sincerely,

Wallace J. Weaver, Chairman
Regional Assistance Committee

cc: Reader File
Docket File
RD
✓ Mr. Bob Turner
Mr. Woodie Curtis
Mr. Bob Shapiro
Mr. Dan Bement
BC File

WC _____ WW _____

R5/NTHD/THB/WC/X3-5835/mm/25th/02-11-85

STATE OF OHIO
ADJUTANT GENERAL'S DEPARTMENT
2825 WEST GRANVILLE ROAD
WORTHINGTON, OHIO 43085-2712

DISASTER SERVICES AGENCY

AGOH-DS

January 28, 1985

Mr. Edward J. Roche
Regional Director
Federal Emergency Management Agency
Region V
300 South Wacker Drive
Chicago, IL 60606

Dear Mr. Roche:

This correspondence is in reply to your final report of the Beaver Valley Power Station exercise conducted on June 27, 1984. Included is a brief description of the deficiencies found, the manner in which it will be corrected and the approximate time frame for completion. Also, a copy of the Columbiana County response to your report is enclosed.

The most significant deficiency was relative to NUREG 0654, Item E6 concerning exercise objective #13. The objective indicated that Ohio would: "Demonstrate the ability to alert the public within the ten (10) mile EPZ and disseminate an initial instructional message within 15 minutes."

A Category B deficiency was given to the State of Ohio and Columbiana County because the actual sounding of the sirens did not occur until 66 minutes after the declaration of "General Emergency". Although it is not felt by this agency that Ohio or Columbiana County contributed to the delay, the seriousness of the problem is appreciated. As stated in your narrative, Columbiana County was prepared to activate the public alert and notification system. The procedures are written to assure coordination of the siren activation which would allow for simultaneous sounding. Even though the simultaneous activation is desirable, it is not critical. Therefore the corrective action will assure the timely notification (15 minutes) of the public within Ohio as called for in NUREG 0654 and will be accomplished by the following:

- Modification of the Columbiana County Radiological Emergency Response Plan and the Emergency Broadcast System notification SOP to indicate that "prior to activation of the sirens in Ohio, the Director of the Columbiana County Disaster Services Agency will attempt to coordinate with Hancock County, West Virginia and Beaver County, Pennsylvania to establish an agreed upon time for activation."
- If an agreement cannot be reached that is within the 15 minutes allowed, Columbiana County officials will sound the sirens and alert the public in Ohio.

TO: Mr. Edward J. Roche
RE: Response to BVPS Final Report

January 28, 1985
Page 2

This procedure will be adhered to both during exercises, and any true emergencies.

A second Category B deficiency was found pertaining to the use of the dedicated (gold) telephone system. The dedicated telephone system was designed to allow discussion between all involved counties and states. Due to the number of parties involved in decision making around the BVPS, coordination of system use is difficult. At any one time there may be different groups wanting to use the system at the same time.

The correction of this deficiency will be made by modification of procedures and/or modification of equipment. Presently, attempts are being made to modify the equipment to allow the separation of county conversations and conversations between the utility and states. It will continue to allow the utility to break into any conversation if the need arises. This additional flexibility will allow the three counties to discuss siren activation while at the same time allowing the three states to discuss additional protective actions if desirable. If simultaneous with these conversations the utility sees a worsening condition at the plant, they may come on line with all parties and disseminate that information.

The standard operating procedures pertaining to the use of dedicated telephone systems will be modified to reflect any equipment changes and establish a protocol for its use.


These changes are to be in effect prior to the September 19/20, 1986 exercise.

In addition to the monthly test of the dedicated telephone system indicated in Mr. Carter's reply, both Ohio and Columbiana County officials have requested participation in the exercise scheduled for September 19/20, 1986.

We hope these solutions will prove effective in solving the problems found during the June 1984 exercise and eliminate the need for further modifications.

Thank you for your patients and if any additional details are needed for your evaluation, please contact Kenneth Cole of my staff.

FOR THE DIRECTOR



RICHARD M. LOCKHART
Deputy Director

KBC:kjs

cc: Wallace Weaver, FEMA, Region V
Dan Bement, FEMA, Region V ✓
Robert Shapiro, FEMA, Region V
Jay Carter, Columbiana County Director
Donna Miller, Duquesne Light Company

UTILITY: Beaver Valley

Summary Listing of Deficiencies

June 27, 1984
(Date)

Ohio
(State)

B. Other Deficiencies

Ohio
(Community)

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
E.6.	<p>Exercise Objectives Number 13 (Reference NUREG-0654 Criteria E5, E6). "Demonstrate the ability to alert the public within the ten (10) mile EPZ and disseminate an initial instructional message within 15 minutes." Columbiana County, based on State recommendations, alerted the public.</p> <p>It took approximately 66 minutes after the declaration of the "General Emergency" until the sirens were sounded in all three (3) counties. Although Columbiana County had reached a timely protective action decision, they were trying to ensure that a simultaneous sounding would be implemented for an independent survey being conducted of that system. The actual activation required approximately 55 minutes because of Pennsylvania's untimely protective action recommendations to Beaver County and that county's need for additional time to notify their many municipalities. Although Columbiana County was prepared to activate the</p>	<p>Modification of the Columbiana County Radiological Emergency Response Plan and the Emergency Broadcast System notification SOP to indicate that "prior to activation of the sirens in Ohio, the Director of the Columbiana County Disaster Services Agency will attempt to coordinate with Hancock County, West Virginia and Beaver County, Pennsylvania to establish an agreed upon time for activation"</p> <p>If an agreement cannot be reached that is within the 15 minutes allowed, Columbiana County officials will sound the sirens and alert the public in Ohio.</p> <p>This procedure will be adhered to both during exercises, and true emergencies.</p>		

UTILITY: Beaver Valley

Summary Listing of Deficiencies

June 27, 1984
(Date)

Ohio
(State)

B. Other Deficiencies

Ohio
(Community)

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
E.6 (Cont)	public alert and notification system independent of the other two (2) counties, a simultaneous activation is more desirable. It was generally felt that the <u>coordination system</u> used by all organizations responsible inhibited a timely implementation process. This discrepancy, if repeated during a real emergency, would impede the ability to provide prompt emergency instructions to the public. The deficiency is placed with the State and County, for it is necessary for all those organizational representatives in Ohio, Pennsylvania, and West Virginia to devise a more efficient coordination system. Ohio should provide the necessary guidance and assistance to the county in correcting this problem.			

UTILITY: Beaver Valley

Summary Listing of Deficiencies

December 5, 1984
(Date)

Ohio
(State)

(Community)

B. Other Deficiencies

<u>NUREG</u> <u>Item</u>	<u>Narrative Statement</u> <u>of Deficiency</u>	<u>Corrective Action</u> <u>Proposed</u>	<u>Scheduled</u> <u>Date</u>	<u>Actual</u> <u>Date</u>
G.4.c.	There seems to be an operational and/or procedural problem involved with the use of the dedicated phone system between the States, Counties, and the Utility. This phone is presently located in the Radio-logical assessment room.	<p>The correction of this deficiency will be made by modification of procedures and/or modification of equipment. Presently, attempts are being made to modify the equipment to allow the separation of county conversations and conversations between the utility and States. It will continue to allow the utility to break into any conversation if the need arises. This additional flexibility will allow the three counties to discuss siren activation while at the same time allowing the three States to discuss additional protective actions if desirable. If simultaneous with these conversations the utility sees a worsening condition at the plant, they may come on line with all parties and disseminate that information.</p> <p>The standard operating procedures pertaining to the use of dedicated telephone systems will be modified to reflect any equipment changes and establish a protocol for its use</p> <p>These changes are to be in effect prior to the September 19/20, 1986 exercise.</p>		

UTILTY: Beaver Valley

Summary List of Deficiencies

June 27, 1984
(Date)

Ohio
(State)

B. Other Deficiencies

Columbiana County
(Community)

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
E.5. E6.	<p>Inability to alert the public within the ten (10) mile EPZ and disseminate an initial instructional message within 15 minutes after the declaration of a "General Emergency".</p> <p>It took approximately 66 minutes from the declaration of a "General Emergency" until the sirens were activated to alert the public. When the incident escalated to the "General Emergency" about 1:24 p.m., the Columbiana County Executive Board reached a timely protective action decision and began coordinating the activation of the sirens and EBS systems with the other two (2) counties. Columbiana County, during this process, was trying to honor an agreement to have simultaneous soundings of the sirens in all three (3) counties for an independent survey being conducted of that system during the exercise. Actual sounding of the sirens required approximately 55 minutes because Beaver County received</p>	<p>A monthly test of the dedicated line (gold phone) involving the three (3) States and the three (3) counties is being conducted to increase familiarity and coordination. Also Columbiana County will participate in the remedial exercise for Pennsylvania to demonstrate the ability to coordinate and expeditiously reach protective action decisions. If coordination is impossible Columbiana County has the procedures and hardware to independently sound the sirens.</p>		

UTILITY: Beaver Valley

Summary Listing of Deficiencies

Ohio
(State)

June 27, 1984
(Date)

B. Other Deficiencies

Columbiana County
(Community)

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
	<p>late protective action recommendations from Pennsylvania and needed additional time to coordinate with their many municipalities. Although Columbiana County was prepared to activate the system independent of the sirens in all three (3) counties if desirable.</p> <p>Although the county has no prior record of untimely implementation of protective actions, a more efficient coordination system should be implemented to provide for more timely emergency response procedures. It is recommended that all the organizations responsible for the coordination of emergency response procedures collectively devise a more efficient system. Ohio should provide the necessary guidance and assistance to the county in achieving this system.</p>			

UTILITY: Beaver Valley

Summary Listing of Deficiencies

June 27, 1984
(Date)

Ohio
(State)

B. Other Deficiencies

Columbiana County
(Community)

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
K.5. (a, b)	The Negley Fire Department staff operating the decontamination/monitoring station were uncertain which vehicles were classified as emergency vehicles or evacuation vehicles. This indicates a lack of sufficient training.	A training course will be conducted at the Negley Fire Department by a State of Ohio Radiological Analyst. This course will emphasize the procedures to be used and means of identifying each type vehicle.		
	An additional deficiency relates to the absence of a shower to decontaminate personnel.	A shower has been installed.		



COUNTY OF COLUMBIANA

DISASTER SERVICES AGENCY

DSA

JAY CARTER
COORDINATOR

51009 Richardson Avenue
Negley, Ohio 44441

(216)424-9725
E.O.C.

Mr. Richard M. Lockhart
Deputy Director
Disaster Services Agency
2825 West Granville Road
Worthington, Ohio 43085

Dear Mr. Lockhart:

In response to the deficiencies noted on the FEMA report of the Beaver Valley Exercise of June 27, 1981, Columbiana County proposes the corrective actions listed in the enclosure.

Sincerely,

Jay Carter
Coordinator CCDEA

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>
45 a, b	The Negley Fire Department staff operating the decontamination/monitoring station were uncertain which vehicles were classified as emergency vehicles or evacuation vehicles. This indicates a lack of sufficient training.	A training course will be conducted at the Negley fire department by a State of Ohio Radiological Analyst. This course will emphasize the procedures to be used and means of identifying each type vehicle.	March, 1985
	An additional deficiency relates to the absence of a shower to decontaminate personnel.	A shower has been installed	<u>Completed Date</u> July 30, 1984