

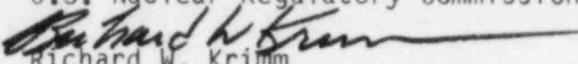


# Federal Emergency Management Agency

Washington, D.C. 20472

JUN 21 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: Illinois Schedule of Corrective Actions for Deficiencies  
Identified During the Quad Cities Nuclear Power Plant (NPP)  
Offsite Radiological Emergency Preparedness (REP) Exercise  
Conducted on August 28-29, 1984

Attached is the schedule of corrective actions submitted by the State of Illinois for the deficiencies noted in the Final Report for the Quad Cities Nuclear Power Plant Offsite REP Exercise conducted on August 28-29, 1984. The exercise report was sent to you on November 14, 1984.

As stated in my exercise transmittal of November 14, 1984, one deficiency affecting the public health and safety (Category A) was identified during the course of the exercise. The Category A deficiency (NUREG-0654 evaluation criteria E-6) for the State of Illinois, was due to the State's failure to order activation of the EBS within 15 minutes of the decision to alert the public. The sirens were sounded within 15 minutes. However, 26 minutes elapsed before the initial instructional message was announced (simulated) on the EBS station.

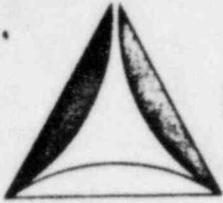
It was also stated in my November 14, 1984, memorandum that Illinois would be required to conduct a remedial drill before January 31, 1985, to correct this deficiency. However, the requirement for a remedial drill was subsequently lifted because of the following two factors. First, the State of Illinois successfully demonstrated the capability to order activation of the sirens concurrently with activation of the EBS during the LaSalle exercise on October 10, 1984. Additionally, I would like to point out that Illinois also successfully demonstrated its capability to order activation of the sirens concurrently with EBS activation during the Zion exercise on March 5, 1985, and the Dresden exercise on April 23, 1985. Secondly, the State agreed, as part of their corrective actions, to meet with the County Emergency Services and Disaster Agency (ESDA) coordinators to review local plans and procedures for EBS and siren activation. This meeting took place on January 18, 1985, and was held to ensure that County officials fully understand their role in public notification, and that they will initiate EBS notification in conjunction with siren activation in the absence of a State directive to do so.

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The Federal Emergency Management Agency (FEMA) Headquarters and Region V staff have reviewed the schedule of corrective actions submitted by Illinois; evaluated the State's capability to activate the EBS concurrent with siren activation (as successfully demonstrated during the LaSalle exercise in October 1984); and, reviewed the meeting held between Illinois and County ESDA officials. The foregoing scheduled and completed actions have been found to be adequate. In view of the demonstrated capability by the State of Illinois to successfully initiate timely EBS notification in conjunction with siren activation at the LaSalle exercise in October 1984, and after reviewing the State's schedule of corrective actions, it is our opinion that there is reasonable assurance that the health and safety of the public can be protected in the event of a radiological emergency at the Quad Cities NPP. Therefore, the approval under FEMA Rule 44 CFR 350 will remain in effect.

If you have any questions, please contact Mr. Robert S. Wilkerson, Chief, Technological Hazards Division, at 646-2861.

Attachment  
As Stated



# Illinois Emergency Services and Disaster Agency

110 East Adams Street, Springfield, Illinois 62706

March 11, 1985

MAR 13 1985

Mr. Wallace J. Weaver, Chairman  
Regional Assistance Committee  
Federal Emergency Management Agency  
Region V  
300 South Wacker, 24th Floor  
Chicago, IL 60606

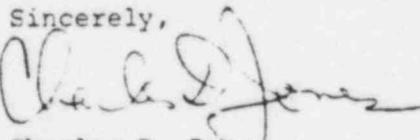
Dear Mr. Weaver:

This letter responds to your letter dated January 11, 1985 relative to required corrective actions for the Quad Cities exercise deficiencies.

The acceptance by FEMA of the results of the LaSalle exercise is important as it is clearly apparent that the State of Illinois has the procedures in place to activate the EBS system concurrent with the siren system activation.

The IPRA planning team met with local ESDA coordinators at 10:00 a.m. on January 18, 1985 and reviewed local procedures for EBS and siren activation. Plans and procedures are already in place and need only to be activated in a timely manner on direction from the State EOC. Of particular importance, is the forthcoming FEMA 43 demonstration of the Prompt Notification System and the EBS activation. This will allow both State and local ESDA to demonstrate these systems independently and effectively show that appropriate corrective actions have been taken.

On your last point, concerning the Quad Cities Nuclear Power Station News Media Center, I have been engaged in an active dialogue with Commonwealth Edison about improving several of their News Media facilities. I have stated that the State of Illinois will no longer participate in JPIC operations at Quad Cities in the present facility. I expect Commonwealth Edison will be taking significant measures to improve the Quad Cities facility as well as other marginal Media Centers. Your assistance and support in this area of JPIC improvement is appreciated.

Sincerely,  
  
Charles D. Jones  
Director

CDJ:ht



# Federal Emergency Management Agency

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

January 11, 1985

Mr. Charles D. Jones  
Acting Director  
Illinois Emergency Services  
and Disaster Agency  
110 East Adams Street  
Springfield, Illinois 62706

Dear Mr. Jones:

This letter is in response to your proposed corrective actions dated December 17, 1984 and my conversations with both you and David Wise of your staff concerning the deficiencies cited for the August 28-29, 1984, Quad Cities radiological emergency preparedness exercise. As a result of the conversations, I have amended the required corrective actions for the Quad Cities exercise deficiencies. The State of Illinois is no longer required to conduct a remedial exercise to correct the category A deficiency to NUREG-0654 criteria element E.6.

This amendment to the required corrective action is based on two factors. First, during the Quad Cities exercise the sirens were activated in a timely fashion. The deficiency arose because the State of Illinois did not order the activation of the EBS concurrent with the order to activate the sirens. The State of Illinois did successfully demonstrate this capability at the LaSalle exercise last October and will demonstrate it again at both of the upcoming exercises: Zion in March and Dresden in April. This constitutes sufficient corrective action on the part of the State of Illinois.

The second factor concerns the ability of local government to activate EBS in conjunction with siren activation in the absence of the State's order to do so. Since David Wise has agreed to address this issue during his January 18, 1985 meeting with local governments affected by the Quad Cities NPS in Illinois, this will be more productive and effective than a single issue remedial exercise. Please provide me with a report of the January 18 meeting for our records by February 8, 1985.

With respect to the remainder of your corrective actions, they are approved contingent on the above with one condition. The State of Illinois should actively participate with Commonwealth Edison Company in the planning and establishment of the Quad Cities Nuclear Power Station News Media Center.

If you have any questions, please call me at (312) 886-9530. I am providing a copy of this letter to my Headquarters Office for transmittal of your schedule of corrective actions to the NRC.

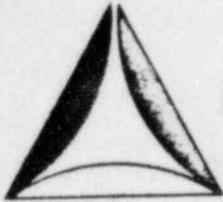
Sincerely,

A handwritten signature in cursive script that reads "Wallace J. Weaver". The signature is written in dark ink and is positioned above the typed name.

Wallace J. Weaver, Chairman  
Regional Assistance Committee

cc: Mr. David Wise

DEC 19 1984



## Illinois Emergency Services and Disaster Agency

110 East Adams Street, Springfield, Illinois 62706

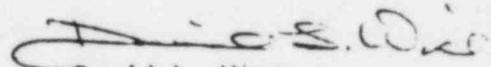
December 17, 1984

Mr. Wallace Weaver  
Chief, Technical Hazards Branch  
Region V, Federal Emergency  
Management Agency  
300 South Wacker Drive  
Chicago, Illinois 60606

Dear Mr. Weaver:

Please disregard our correspondence to you dated December 14, 1984 and replace it with the attached Proposed Corrective Action Response. Information regarding the proposed corrective action for Item 0.4.c. was inadvertently omitted.

Sincerely,

  
David L. Wise  
Senior Associate Director

DLW/AH/1h

encl

cc: Gordon Wenger

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 1984  
(Date)

Illinois  
(Community)

A. Deficiencies Affecting Public Health and Safety

<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.	It took 26 minutes from the time the State decided to activate the sirens to alert the public until the initial instructional message was provided to the EBS.	Procedures are developed and training will be enhanced to ensure efficient timely notification, and this capability will be demonstrated during the remedial drill.	1/85	

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 198-  
(Date)

Illinois  
(Community)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
A.2.a.	Information on the cause of the incident at the plant was not disseminated to the REAC or Rock Island County.	Proper procedures are developed and will be implemented to demonstrate the controlled dissemination of this information through the DNS and State ESDA representatives assigned to the county EOC's.	Next scheduled exercise	
G.3.a.	The News Media Center facility is limited in space and furnishings. Heating and air conditioning is a problem. Press releases had to be processed in the EOF, a building separate from the News Media Center.	The News Media Center, although not ideal, meets minimum requirements. This concern must be directed to the utility if corrective action is required. Press releases were properly processed in EOF as this is where the PIO's prepare all materials.	N/A	
J.10.b.	The press release, prepared at the State EOC, described evacuation sectors by letter designations rather than landmarks or boundaries.	All sectors and boundary descriptions are being rewritten using geographical and/or political features to identify the various portions of the EPZ and this capability will be demonstrated during the next scheduled exercise.	Next scheduled exercise	

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 1980  
(Date)

Illinois  
(Community)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
0.4.c.	Protective clothing (gloves) was not used in the gathering of the milk sample, allowing contamination of the worker's hand by spilled milk.	Training will be provided to Department of Public Health workers regarding proper sampling procedures. This training will include the use of protective gloves.	Prior to next exercise	

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

Rock Island County  
(Community)

III. Summary Listing of Deficiencies

August 28-29, 198  
(Date)

A. Deficiencies Affecting Public Health and Safety

<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>
	None			

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 1984  
(Date)

Rock Island County (Community)

B. Other Deficiencies

<u>NUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
A.2.a.	The times posted on the status board were the times of the posting.	Emergency workers will be further instructed in proper posting procedures and this capability will be demonstrated at the next scheduled exercise.	Next scheduled exercise	
F.1.a.	Information recorded on NARS message forms was improperly interpreted when posted in the Port Byron EOC.	Emergency workers will be further instructed in the proper interpretation of the information that is recorded on the NARS form and this capability will be demonstrated at the next scheduled exercise.	Next scheduled exercise	
L.1.	Hospital personnel did not demonstrate proper procedures to prevent the possible spread of contamination during the handling of a contaminated injured patient.	The U.S. Department of Public Health report has been provided to Commonwealth Edison Company for their corrective action.	N/A	
L.4.	Ambulance personnel did not demonstrate procedures to prevent the possible spread of contamination during the transport of the injured victim.	The U.S. Department of Public Health report has been provided to Commonwealth Edison Company for their corrective action.	N/A	

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 1984  
(Date)

Whiteside County  
(Community)

A. Deficiencies Affecting Public Health and Safety

<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>
	None			

UTILITY: Quad Cities Nuclear Power Station

Illinois  
(State)

III. Summary Listing of Deficiencies

August 28-29, 1984  
(Date)

Whiteside County  
(Community)

B. Other Deficiencies

<u>MUREG Item</u>	<u>Narrative Statement of Deficiency</u>	<u>Corrective Action Proposed</u>	<u>Scheduled Date</u>	<u>Actual Date</u>
E.5.	The standard message caused a deficiency during the exercise due to the fact that Albany was in an area to be sheltered rather than evacuated.	Prescribed messages for both sheltering and evacuation have been developed and training will be enhanced to ensure proper understanding and utilization of those messages.	TBA	