

JUL 02 1984

Docket Nos. 50-272  
50-311

Public Service Electric and Gas Company  
ATTN: Mr. Richard A. Uderitz  
Vice President - Nuclear  
P. O. Box 236  
Hancock's Bridge, New Jersey 08038

Gentlemen:

Attached is a copy of the schedule of corrective actions submitted by the State of Delaware in response to deficiencies cited by Region III of the Federal Emergency Management Agency (FEMA) for the October 26, 1983, full-scale exercise of the Offsite Radiological Emergency Preparedness Plans for the Salem Nuclear Generating Station.

In connection with resolution of the deficiencies you should keep abreast of the activities taken by both the State and local authorities and provide assistance to them on an as needed basis.

If you have any questions concerning this matter, please contact Dr. Ronald R. Bellamy (215) 337-5200 of my staff.

Sincerely,

**Original Signed By:**

Thomas T. Martin, Director  
Division of Engineering and  
Technical Programs

cc w/encl:

R. L. Mittl, General Manager - Nuclear Assurance and Regulation  
J. M. Zupko, Jr., General Manager - Salem Operations  
E. A. Liden, Manager - Nuclear Licensing and Regulation  
C. P. Johnson, Manager - Quality Assurance Nuclear Operations  
P. M. Krishna, Manager - Nuclear Review Board  
M. J. Wetterhahn, Esquire  
R. Fryling, Jr., Esquire  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
NRC Resident Inspector  
State of New Jersey

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bcc w/encl:  
Region I Docket Room (with concurrences)

DPRP Section Chief

*live*  
RI:DETP  
Crocker/ch  
6/27/84

*ntz*  
RI:DETP  
Bellamy  
6/28/84

*[Signature]*  
RI:DETP  
Martin  
6/28/84

OFFICIAL RECORD COPY



# Federal Emergency Management Agency

Washington, D.C. 20472

MAY 24 1984

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

SUBJECT: Delaware Schedule of Corrective Actions for the  
October 26, 1983, Full Participation Exercise of the  
Offsite Radiological Emergency Preparedness Plans for  
the Salem Generating Station

Attached is a copy of the Delaware schedule of corrective actions submitted in response to deficiencies cited by Region III of the Federal Emergency Management Agency (FEMA) for the October 26, 1983, Full Participation exercise of the Offsite Radiological Emergency Preparedness Plans for the Salem Generating Station. The exercise report was sent to you on December 21, 1983.

FEMA Headquarters and Region III staff have reviewed the schedule of corrective actions submitted by the State and found it to be adequate. Based on this exercise and the corrective actions schedule, we cannot identify any impediments to protecting the health and safety of the public in the event of an incident at the Salem Generating Station.

If you have any questions concerning this schedule of corrective actions for the Salem Generating Station, please contact Mr. Robert S. Wilkerson, Chief, Technological Hazards Division at 287-0200.

Attachment  
As Stated

*Dupe*  
*8405300047*  
*PDR*

4/11/84

REP EXERCISE EVALUATION/DELAWARE RESPONSE AND COMMENTS

Proj'd  
date  
1/15/84

1. Admittedly, the radioactive release data used in the scenario was exaggerated to stimulate the deployment of protective actions in Delaware. Because REP does not address protective actions beyond the 10 mile EPZ the possibility of sheltering and evacuations is not usually addressed beyond the 10 mile EPZ distance. Delaware's delay initiating protective actions beyond the 10 mile EPZ was not predicated on that fact. Rather, the decision to initiate protective actions beyond the 10 mile EPZ was weighed in relation to the public impact affecting REP in Delaware.

Delaware considered the implications that such an exercise related decision would produce. Not only does it lend credence to the proponents of anti-nuclear power groups but also to the supporters of extending the 10 mile EPZ to include not only the EPZ but Newark, Wilmington and the residents of the entire State was the sole contributing factor is this decision-making delay. However, in the event of a real accident, the AAAG and DEPO officials would not hesitate to act in a timely manner. 1/15/84

2. The operations staff and a AAAG Representative will coordinate protective actions in sectors.

3/30/84

3. Hardcopy data transmission terminals will be provided to the Director and AAAG from Salem Generating Station for receiving important data. The Director will call meetings with the AAAG and Operations after receiving this data.

4/3/84

4. Delaware in future exercises will coordinate and make calls to New Jersey's EOC and State Director about protective actions. However, calls were made by the Director during the previous exercise to New Jersey Officials.

9/21/84

5. The State EOC air filtering system will be installed within the next year.

9/21/84

6. The State EOC showeres, sleeping quarters, and decontamination facilities will be completed within the next year.

10/26/83

7. The dedicated telephone linking the State EOC and primary EBS station was restricted to a one way ring down because of safety reasons. This system was developed by the EOC to allow quick access in emergencies but also eliminating the opportunity for station personnel using the system as a commercial telephone. There are several alternate back up communications available for the EBS station personnel to promptly contact the EOC.

10/26/83

8. The DEPO Director will continue to meet with the AAAG Chairman or his designee whenever the Utilities Response Director provides recommendations for protective actions, as was done during every occassion during the 1983 exercise.

12/15/83

9. The calculator program for dose projections has been corrected.

3/1/84

10. The REP Plan calls for the use of KI for emergency workers only; however, the State of Delaware reserves the right, under the direction of the Director of Public Health, to administer KI to the general population, should the Director of Public Health deem this action necessary.

We have sufficient quantities of potassium iodide in bulk at Delaware Hospital for the Chronically Ill, the Department of Corrections and Delaware State Hospital that the population of the state could be supplied within a short period of time. The supplies could be available at the evacuation centers or highway check points if needed.

4/2/84

11. A phone will be available in the AAAG room for contacting the New Jersey BRP about coordination of dose assessments and protective actions during frequent intervals during an exercise.

6/21/84

12. The Station Status Checklist will be changed so that it is compatible with AAAG program data form.

2/16/84

13. Dose projections will be reported in millirems and the exponential format will be dropped.

2/16/84

14. In future exercises, DEPO will identify and simulate the establishment of all necessary access control posts.

2/10/84

15. In future exercises registration/monitoring centers and disaster shelters will be activated during Site Area Emergency phase.

2/1/84

16. The switchboard operator was instructed to record all incoming messages and pass them on to the messenger in the operations area. The messenger delivered messages to the Kent County liason; whose responsibility was to contact his agency. This process was developed to keep phone lines open. A runner will be assigned to make sure that counties receive their messages.

2/10/84

17. The EOF representative will be advised to direct all media inquiries concerning Delaware response activities to the Delaware Public Information Officer.

2/17/84

18. Additional training will be scheduled for the radiological monitors.

4/7/84

19. The PIO will adhere to REP Plan procedures as specified in SOP 502 for future exercises.

6/20/84

20. All officers in involved in access control will be instructed where to direct evacuees for decontamination and registration.

2/16/84

21. A system of procurement for obtaining signs at access control points is in effect.

2/15/84

22. The processing of evacuees, including handicapped, at the registration/decontamination centers will be demonstrated in future exercises.

4/9/84

23. All fire companies in the EP2 will be provided written prescribed messages to insure accuracy and consistency.

4/9/84

24. It has been determined by the fire chiefs that the present form of route alerting has proved efficient, therefore, this system of route alerting will continue to be used.

3/2/84

25. The radiological field monitoring teams will be advised on SOP instructions concerning G.M. probe mounted outside their vehicle. It will be closed during transit to prevent unnecessary breakage.

2/10/84

26. Response team members are quite certain that SOP's were followed and 3 foot and 3 inch readings were taken with both open and closed probe positions. It is unclear how these readings would determine plume elevation, especially considering long distances from the FNF source and accompanying dilution. These readings are used to determine whether the team is in the plume or ground disposition has occurred.

2/16/84

27. Future exercises will demonstrate the notification and mobilization procedure for sampling teams.

2/17/84

28. In future exercises field sampling teams will be briefed prior to their departure on information regarding plant status, type of releases, and meteorological conditions as specified in SOP 202.

3/15/84

29. The entire assortment of monitoring equipment listed in the SOP was supplied to the sampling teams. Hand receipts of issued equipment are available upon request at the State EOC for further reference. During refresher training teams will be advised to bring their entire monitoring kits with them.

2/24/84

30. The medical officer will arrive at the emergency worker's decontamination center upon activation. A doctor would be present at the decontamination center during an actual emergency.

10/26/83

31. The State has an agreement with the Salvation Army to provide clothing at the emergency worker decontamination center.

5/22/84

32. Problems that were encountered in Kent County were primarily a result of change in the directorship just prior to the exercise. Kent County EOC staff will be advised not to preposition during future exercises.

10/26/83

33. Kent County elected officials, William Paskey and Mickey Messina were present at the EOC to provide support to the staff and facilitate the expansion of his/her knowledge of emergency operations.

2/8/84

34. Kent County has been advised of the plan and operating procedures for internal EOC communications, external communications, and use and control of the emergency communications center. The Kent County EOC staff will implement review sessions and practice drills within the office to improve it's actions in future exercises.

5/22/84

35. The Kent County Deputy Director will receive additional training in assuming the fulfillment of the Director's SOPs.



3/12/84

36. In future exercises the Kent County EOC Director will conduct periodic briefing for the staff on the events rather than rely totally on status boards for update.

5/23/84

37. Kent County EOC personnel will be provided training in sector/zone designations and wind vectors to improve their capabilities for future exercises.

5/23/84

38. The Kent County Director will verify all evacuation sector information with his liaison at the State EOC to avoid unnecessary repetition of sectors being evacuated.

5/22/84

39. Kent County EOC will be trained on status board posting procedures for significant emergency events and actions.

5/23/84

40. Kent County EOC personnel will establish and be trained in uniform message handling procedures similar to the State EOC.