

APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-313/89-12 Operating Licenses: DPR-51
50-368/89-12 NPF-6

Dockets: 50-313
50-368

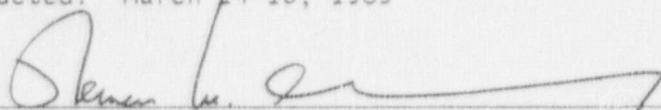
Licensee: Arkansas Power and Light (AP&L)
P.O. Box 551
Little Rock, Arkansas 72203

Facility Name: Arkansas Nuclear One (ANO), Units 1 and 2

Inspection At: Russellville, Arkansas

Inspection Conducted: March 14-16, 1989

Inspector:

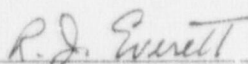

N. M. Terc, Emergency Preparedness Analyst
(NRC Team Leader)

4-13-89

Date

Accompanying Personnel: C. Harbuck, NRR Project Manager, ANO
C. Poslusny, NRR Project Manager, ANO
R. Evans, NRC Resident Inspector, STP
M. Good, Comex Corporation

Approved:


R. J. Everett, Chief, Security and Emergency
Preparedness Section

4/13/89

Date

Inspection Summary

Inspection Conducted March 14-16, 1989 (Report 50-313/89-12; 50-368/89-12)

Areas Inspected: Routine, announced inspection of the licensee's performance and capabilities during an annual exercise of the emergency plan and procedures. The NRC inspection team observed activities in the Control Room (CR), Technical Support Center (TSC), the Emergency Operations Facility (EOF), and the Operations Support Center (OSC) during the exercise.

Results: Within the areas inspected, no violations or deviations were identified. Four minor exercise weaknesses were identified by the NRC inspection team (paragraphs 4, 5, 6, and 7). Weaknesses identified include a delay in notification of the State during the Site Area Emergency, poor radiological practices during the medical injury, an organizational inconsistency, and coaching and prompting of players by a controller. Generally, the licensee's response was adequate to protect the health and safety of the public.

DETAILS

1. Persons Contacted

AP&L

- *G. Campbell, Vice President, Nuclear Operations
- *J. Levine, Executive Director, Nuclear Operations
- *E. Ewing, General Manager, Plant Support
- *W. Perks, Manager, Training
- *D. Boyd, Supervisor, Emergency Planning
- *R. Gresham, Emergency Planning Coordinator
- *D. Comax, Licensing Supervisor
- *J. Bishop, Emergency Planning Coordinator
- *F. Van Buskirk, Emergency Planning Coordinator
- J. Williams, Manager, Maintenance

NRC

- *R. Haag, Resident Inspector, ANO

The NRC inspection team also held discussions with other station and corporate personnel in the areas of security, health physics, operations, training, and emergency response.

*Denotes those present at the exit interview.

2. Followup on Previous Inspection Findings (92701)

(Closed) Deficiency (313/8809-01; 368/8809-01): Failure to Simulate the Use of the Containment Spray During the 1988 Exercise - The NRC inspector noted that the licensee had added instructions in Procedure EPIP 1903.11, "Emergency Response/Notifications" to prompt the use of containment spray when appropriate.

3. Program Areas Inspected

The NRC inspection team observed licensee activities in the CR, TSC, OSC, and EOF during the exercise. The NRC inspection team also observed emergency response organization staffing, facility activation, detection, classification, and operational assessment, notifications of licensee personnel, notifications of offsite agencies, formulation of protective action recommendations (PAR), offsite dose assessment, in-plant corrective actions and rescue, security/accountability activities, and recovery operations. Inspection findings are documented in the following paragraphs.

4. Technical Support Center (82301(2))

The NRC inspection team noted that the licensee delayed notification of the State for 33 minutes after declaration of the Site Area Emergency

(Message #5). This resulted in a delay in the notification of Counties of 51 minutes. This weakness was identified by the licensee.

The above is an exercise weakness. (313/8909-01; 368/8909-01)

No violations or deviations were identified in this program area.

5. Operations Support Center (82301(4))

The NRC inspector determined that the organizational structure used in the OSC during the exercise was different than that required by Procedures EPIP 1903.50, "Emergency Response Organization," and EPIP 1903.63, "Emergency Response Centers," in that the assistant to the OSC superintendent is not included in the organization described in the aforementioned procedures.

The above is an exercise weakness. (313/8909-02; 368/8909-02)

No violations or deviations were identified in this program area.

6. Medical Team (82301(10))

The NRC inspection team noted that poor radiological practices (e.g., team members did not wear anticontamination gloves) used by the medical rescue team resulted in cross contamination of personnel. In addition, there was an unnecessary delay in notifying the medical team that the ambulance had arrived and was waiting for the victim.

The above is an exercise weakness. (313/8909-03; 368/8809-03)

No violations or deviations were identified in this program area.

7. Scenario

For the most part, the scenario developed for the observed annual exercise was technically sound and challenging to the players, however, the NRC inspection team found some scenario incongruences during the exercise which detracted from the realism and free play of the exercise. Some examples follow:

- ° Exercise controller gave conflicting information to players pertaining to the status of the C charging pump.
- ° Normal background contamination readings were given in areas that would have been contaminated during the medical scenario.
- ° The controller of the Electrical Maintenance Team No. 2 was observed doing extensive prompting and coaching to exercise players.

The above is an exercise weakness. (313/8909-04; 368/8909-04)

No violations or deviations were identified in this program area.

8. Exit Interview

The NRC inspection team met with the NRC resident inspector and licensee representatives indicated in paragraph 1 on March 16, 1989, and summarized the scope and findings of the inspection as presented in this report. The licensee acknowledged their understanding of weaknesses and agreed to examine them to find root causes in order to take adequate corrective actions.