



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

AUG 22 1984

Docket Nos.: STN 50-482
and STN 50-483

FACILITIES: Wolf Creek Generating Station
Callaway Plant, Unit 1

APPLICANT: Kansas Gas and Electric Company

LICENSEE: Union Electric Company

SUBJECT: MINUTES ON AUGUST 15, 1984 MEETING FOR WOLF CREEK/CALLAWAY
FIRE PROTECTION

On August 15, 1984, members of the staff meet with representatives from Union Electric Company (UE), Kansas Gas and Electric Company (KG&E), SNUPPS and Bechtel to discuss the SNUPPS fire protection program. Enclosed is a list of attendees. The purpose of the meeting was for the utilities to gain clarification from the staff on criteria against which the safe shutdown analysis (SSA) is reviewed and to present a revised approach to meeting these criteria.

As a result of two previous meetings held on August 10 and August 14, 1984 the utilities presented a proposal to the staff on how they would handle a control room (CR) fire. This approach was a revised version of the SNUPPS SSA submitted in November 1982. In particular the utilities proposed the following actions in the event of a CR fire.

- Trip the reactor and close the main steamline isolation valves, (MSIVs) prior to leaving the CR.
- Remove power to the AC buses.
- Manually confirm all valves are in their desired position or realign valves as needed.
- Activate systems in a sequenced manager, e.g. essential service water system (ESW) valve alignments, start the diesels and ESW pump, etc.

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This approach permitted all the necessary actions, with the exception of tripping the reactor and closing the MSIVs, to be taken from outside the CR. In addition it would reduce the possibility of spurious actuation of components caused by AC shorts. The utilities also noted that the isolation valve between the refueling water storage tank (RWST) and the residual heat removal system pumps would have to be manually closed because of backflow considerations to the containment sump. However, the loss of the RWST volume did not create a problem.

By using the revised approach, the utilities noted that it would eliminate the isolation problems discussed during the earlier meeting except for five ventilation or air supply fans. If a short did occur in these circuits blowing a fuse they could still be isolated but would only function once the blown fuse was replaced.

Although the staff did not have any major concerns with this approach, it would not determine its acceptability until a detailed evaluation was complete. It did note that there may be a problem with replacing a fuse in any of the fan circuits. Also, the staff expressed a desire for this to be an interim resolution until the isolation design to all of the systems needed for hot shutdown could be modified; however, a review of previous SSAs would be made by the staff to determine if any other utilities had used this approach. If so, the staff would not preclude it as a permanent solution.

In addition, the staff discussed several areas where additional information was needed. These areas were:

- What was the amount of time needed to perform hardware modifications to properly isolate the supply/ventilation fans circuits.
- Did any isolation problems exist with the dampers in the rooms where the equipment was operating.
- How would the operators verify that the MSIVs were closed or how could they be manually closed.
- Had all spurious signals been considered for the short time the AC circuits were functioning and from any DC circuits.

Documentation of the revised approach would be submitted by the utilities approximately the week of August 20, 1984.

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Enclosure:
As stated

cc: See next page

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Meeting Summary / Distribution

Docket File

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