



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

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OCT 23 1978

Docket No. 50-311

APPLICANT: Public Service Electric & Gas Company
FACILITY: Salem Nuclear Generating Station, Unit 2
SUBJECT: SUMMARY OF MEETING HELD ON OCTOBER 18, 1978 TO DISCUSS
COLD SHUTDOWN OF SALEM UNIT 2

A meeting to discuss the residual heat removal system as it relates to the cold shutdown of Salem Nuclear Generating Station, Unit 2 was held in Bethesda, Maryland on October 18, 1978 with representatives of Public Service Electric & Gas Company (PSE&G) and Westinghouse Electric Corporation. A list of attendees is included in the Enclosure to this summary.

Significant points discussed are summarized below:

1. The applicant made a detailed presentation of how Salem Unit 2 would achieve cold shutdown using only safety related seismic Category 1 equipment.
2. The applicant indicated that the atmospheric steam dump valves would be used to achieve cold shutdown. With respect to these valves, we advised the applicant that he either:
 - (a) provide remote manual operation of the dump valves from the control room using only safety grade mechanical and electrical systems or,
 - (b) demonstrate by operational testing that controlled safe plant cooldown can be accomplished by manual operation of the dump valves. The criteria that should be met in accepting manual operation of the dump valves in lieu of meeting (a) above should be:
 - (i) Demonstrate that the plant can be maintained in a safe hot standby condition, assuming loss of offsite power, without reliance on dump valve manual operation for at least one half hour following reactor shutdown.

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- (ii) Demonstrate that an operator has good access to the dump valve, can safely operate it manually, and can communicate with the control room.
- (iii) Include in the test program a test that verifies the ability to achieve safe plant cooldown using manual dump valve operation.

The applicant indicated that he intended to demonstrate by operational testing that controlled safe plant cooldown can be accomplished by manual operation of the dump valves.

- 3. We requested that the applicant formally document its methods for achieving cold shutdown with seismic Category 1 equipment and instrumentation. We also indicated that the applicant have written operating procedures regarding this matter. The applicant indicated he would provide documentation of his methods by November 6, 1978.
- 4. We indicated to the applicant that we will advise him in the very near future if a natural circulation test during startup for Salem Unit 2 will be required.


Alexander Dromerick, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

Enclosure:
As Stated

cc w/enclosure:
See next page

Mr. R. L. Mittl
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ENCLOSURE

SALEM NUCLEAR GENERATING STATION, UNIT 2

DOCKET NO. 50-311

MEETING WITH PSE&G

10-18-78

NRC

A. Dromerick
F. Orr
S. Israel
H. Ornstein
D. Fischer

PSE&G

W. Rahl
R. Burricelli
E. Liden

WESTINGHOUSE

G. Fidler
D. MarBurger
A. Suda
R. Owol
J. Starnes