

NOV 16 1971

Roger S. Boyd, Assistant Director, EWR, Division of Reactor Licensing
THRU: Victor Stello, Chief, EWR-4, Division of Reactor Licensing

**MEETING WITH WASHINGTON PUBLIC POWER SUPPLY SYSTEM (WPPSS) CONCERNING
 HANFORD NO. 2 NUCLEAR POWER PLANT, ROCKET NO. 50-397**

Summary

A meeting was held with representatives of the Washington Public Power Supply System. The purpose of the meeting was to discuss the WPPSS schedule requirements and to review early in the project anticipated problem areas that may require considerable effort to resolve. In addition, problem areas encountered during the recently reviewed EWR's such as Bailey and Zimmer were discussed. The meeting attendance is attached.

Discussion

1. Schedule:

The WPPSS construction permit schedule is attached. They expect to be ready for an ACRS meeting by September 1972.

2. Main Steam Line

(a) Isolation valve leakage--

WPPSS have not provided a method for minimizing isolation valve leakage. The Zimmer and Bailey position of providing a sealing system was discussed. WPPSS will review this matter and inform us of their conclusions.

(b) Class I seismic design

The Class I seismic requirements for the main steam line extends only through the isolation valves. WPPSS will present at a later date their position on whether to extend the Class I design to the turbine stop valves.

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The WFPSS turbine is supplied by Westinghouse in which the stop valves are part of the turbine casing. It is expected that the remoteness of the Hanford #2 site will be a factor in their decision.

3. Reactor Recirculation System

(a) Recirculation pump trip

WFPSS will provide a recirculation pump trip for ATWS protection. This will be included in their first PSAR amendment.

(b) Control Valve action during a LOCA

The G.E. representative stated that the interlock to prevent the recirculation and block valves from closing during a LOCA was now being provided as a standard part of the '69 line.

4. Pipe Whip Criteria

This will be a major problem area for the applicant since the containment is an ASME pressure vessel and is doubtful that pipe restraints can be anchored to the vessel. The applicant is in the very early stages of design for pipe whip, but indicated that their criteria would allow breaking some emergency core cooling water piping. In addition, they were not considering pipe breaks in straight runs of pipe. During the discussion we indicated that breaking of emergency core cooling piping would create safety problems. We also stated that their design should take into consideration longitudinal and horizontal breaks including breaks in straight lengths of pipe.

5. Field Installation of Containment

The applicant proposes to use 2" pre-molded polyurethane backed up by 1/4" fiber glass between the steel containment vessel and the biological shield. The urethane will be sealed.

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6 Effect on Hanford #2 of Radiological Releases from FFTF

The applicant made a preliminary review of the FFTF information and concluded that there should be no difficulty of meeting the intent of proposed Appendix I for normal plant releases. They also reviewed the estimated PuO2 releases from the FFTF during an accident condition and concluded that these would pose no problems to Hanford No. 2. However, they indicated they would continue to review FFTF information as it becomes available. The applicant reviewed normal and accidental releases from Hanford No. 1 and concluded that the effects of these releases on Hanford No 2 are insignificant.

7. Off-Site Power Availability

Bonnyville Power Administration (BPA) has the right to interrupt or reduce off-site power to Hanford #2 in case of emergencies, or to make repairs and do maintenance. The BPA representative agreed that power to the station will not be intentionally interrupted without prior approval by WPPSS. This will be documented.

8. Addendum #1 to PSAR

Attached is a list of subjects to be covered in addendum #1 to the Hanford No. 2 PSAR.

9. Service Cooling Water System

The spray water cooling pond is divided into two sections with each section having sufficient water storage for about 7 days if make up water is lost. The spray water pond is designed to Seismic Class I criteria whereas the river water pump house (make up water) is designed to Seismic Class II Criteria. If the two sections of the spray pond can be arranged for manual interconnection there would be sufficient water storage for about 30 days without water make up. However, if the single failure criteria requires considering a passive failure in the

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buried concrete water pond only 7 days storage can be considered as available The applicant will review the conditions under which only the spray pond will be available for cooling service water to provide a basis for evaluating the storage time available in the spray pond.

Original signed by

Sydney Miner, Project Leader
EWR-4 Branch
Division of Reactor Licensing

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Hanford No. 2

Meeting

October 28, 1971

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

L. L. Humphreys

D. L. Renberger

O. E. Trapp

BOONVILLE POWER ADMINISTRATION

P. C. Otness

GENERAL ELECTRIC

G. R. Stowe

BURNS AND ROE

W. J. Ritsch

DRL

V. Stello

S. Miner

DRS

R. D. Pollard

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WASHINGTON PUBLIC POWER SERVICE SYSTEM

HANFORD NO. 2

Construction Permit Licensing Schedule

<u>Event</u>	<u>Scheduled Date</u>
1. File License Application (Application, PEAR and ER)	8/19/71
2. File Voluntary Amendment	11/1/71
3. Receive 1st Set of Questions (Including Questions on Environmental Matters)	12/1/71
4. Answer 1st Set of Questions	1/15/72
5. Receive 2nd Set of Questions	4/1/72
6. Answer 2nd Set of Questions	5/15/72
7. ACRS Subcommittee Meeting	7/1/72
8. ACRS Full Committee Meeting	9/1/72
9. ACRS Letter to the Commission	9/15/72
10. Public Announcement	9/30/72
11. Public Hearing	10/31/72
12. Receive Construction Permit	2/15/73

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

HANFORD NO. 2

AMENDMENT NO. 1 CHANGES TO PSAR

1. UPDATED ECCS CALCULATIONS
2. COMMITMENT TO PROVIDE RECIRC. PUMP TRIP
3. EMERGENCY PLANS - EXPANDED OUTLINE
4. 230 KV AND 115 KV ROUTING AND CONNECTION TO BENTON SUBSTATION
5. WESTON REPORT - GEOPHYSICAL LINE SHOT SOUTH OF FFTF
6. EMERGENCY SERVICE WATER
7. ADDITIONAL INFORMATION ON VACUUM RELIEF
8. BUILDING ARRANGEMENTS (CASK STORAGE)
9. MISCELLANEOUS REVISIONS TO FLOW DIAGRAMS
10. QUALITY ASSURANCE - MINOR CHANGES
11. MINOR CHANGES TO SECTIONS 11 & 12
12. MINOR CHANGES TO SECTION 2 - CLARIFICATION OF SOURCE OF GEOLOGICAL MATERIAL

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