

Docket

Docket No. 50-269

FEB 2 1973

D. Knuth, Assistant Director for Reactor Safety, L

OCONEE 1 - SUPPLEMENT TO SER ON FUEL DENSIFICATION

At a meeting on February 2, 1973, D. Ross and I prepared the enclosed schedule for the review of the fuel densification effects on Oconee 1 (designated by Projects as the B&W lead plant). The second enclosure identifies staff members responsible for the various review subjects and other pertinent information.

Project Manager for Oconee 1 is Irv Peltier (Room 342, Ext. 7548) in PWR-4. He will ensure that the applicant (Duke) is kept informed of our review status. Overall review of fuel densification for Oconee 1 coordinated by Hans Schierling (Room 218, Ext. 7701). He should participate in all discussions (meetings and telcon) between the staff and B&W. He will keep Irv Peltier informed and prepare the SER Supplement.

The review should be based on the following material that was submitted by the applicant and by B&W:

BAW-10054, Topical Report, January 1973: "Fuel Densification Report" (Proprietary)

BAW-1387, January 1973: "Oconee 1 - Fuel Densification Report" (Proprietary)

Each reviewer should keep a list and copy of all material used in his review.

Original signed by
H. Schierling

H. E. Schierling
PWR Project Branch No. 2
Directorate of Licensing

- cc: N. Lanben
- S. Kim
- D. Davis
- H. Richings
- L. Kopp
- D. Ross
- D. Houston
- I. Peltier
- A. Schwencer
- V. Steallo
- T. Novak

- Distribution:
- Docket file
- PWR-2 Reading
- H. Schierling

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ENCLOSURE 1

OCONEE 1 REVIEW SCHEDULE FOR

FUEL DENSIFICATION

(all dates are latest possible to meet May 1, '73 as deadline to issue SER Supplement)

1. Feb. 12 Draft questions to H. Schierling
2. Feb. 17 Draft questions to B&W and Duke
3. Feb. 23 Discussion of draft questions with B&W complete
4. Feb. 26 Written questions to Duke and B&W
5. Mar. 2 Staff visit to B&W fuel fabrication facility
6. Mar. 6 Written answers from Duke (B&W)
7. Mar. 13 Review of all answers completed
8. Mar. 16 Additional draft questions to B&W and Duke
9. Mar. 23 Discussion of additional questions completed
10. Mar. 27 Written answers from Duke (B&W)
11. Apr. 3 Staff review completed
12. Apr. 6 Provide draft of SER Supplement to H. Schierling
13. Apr. 12 1st Draft SER Supplement completed and to authors
14. Apr. 15 1st Draft SER Supplement returned H. Schierling with comments
15. Apr. 17 2nd Draft SER to D. Knuth, A. Schwencer, authors
16. Apr. 23 3rd Draft, SER Supplement completed and distributed for review
17. Apr. 27 SER Supplement completed in final form
18. May 1 Issue

ENCLOSURE 2

REVIEW ASSIGNMENTS, FUEL DENSIFICATION, OCONEE 1

Subject	<u>Gap conductance</u> , including fuel performance (swelling thermal expansion, densification)	<u>Time to collapse</u> , including creep-model	<u>Steady State and transients</u> (loss of flow and locked rotor	<u>Nuclear Aspects</u> (power spike model, rod-ejection)	<u>Accidents</u> LOCA, non-limiting accidents, steam line break.
Reviewer	N. Lauben D. Houston	S. Kim	D. Davis L. Kopp H. Schierling	H. Richings	N. Lauben H. Schierling
Consultant	K. Hann (PNL)	P. Pankaskie (PNL)	D. Rowe (PNL)	Brookhaven	none
B&W Code	TAFY	CRECOL	unknown, no name or details avail.	PDQ07, possibly others	CRAFT-THETA-REFLOOD
Staff Code	GAPCON	BUCKLE	COBRA III-c		