

JUL 6 1981

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Docket No. STN 50-470

APPLICANT: Combustion Engineering, Inc.
 FACILITY: CESSAR Standard Nuclear Steam Supply System
 SUBJECT: SUMMARY OF JUNE 9, 1981 MEETING ON AUXILIARY SYSTEMS



On June 9, 1981, the staff met with representatives from Combustion Engineering (CE) to discuss the scope and design for the CESSAR standard NSSS auxiliary systems. The meeting attendees are identified in Enclosure 1 and the slides presented during the meeting are contained in Enclosure 2.

CE indicated that the majority of the scope of the Auxiliary Systems Branch review, as defined in the Standard Review Plan, are outside the scope of the CESSAR design. However, CE does provide interface information on these areas and these interfaces were discussed as shown in Enclosure 2. The staff generally commented that the interface descriptions in the CESSAR FSAR lack consistency. In addition, the staff noted the following specific deficiencies in the CESSAR FSAR during the course of the meeting:

1. Although flood levels are the reference-plant applicant's responsibility, CESSAR should distinguish internal and external flooding protection requirements and refer to the probable maximum flood (PMF) as the basis for providing protection for safety-related equipment from external flooding.
2. CE should revise Section 3.5 of CESSAR to include their response to the Auxiliary Systems Branch question 010.2 regarding missile sources from equipment in the CESSAR scope outside containment.
3. CESSAR does not consistently identify the single-failure design criteria as an interface requirement.
4. CE should reassess the interface requirements for the spent-fuel facility (subcriticality margin) to assure that the fuel handling accident analysis event is bounding.
5. CE should include an interface which will assure that the CVCS connection to the spent fuel pool will be made at a location which will not result in a pool level below the minimum required in the event of operation of the CVCS utilizing the spent fuel pool source.
6. In order to generically address the control of heavy loads (NUREG-0612), CE should provide a summary of the analysis which demonstrates that the limiting event (reactor vessel closure head drop) is not a "critical" load; i.e., unacceptable consequences will not occur.

7. The CE response to the staff's position regarding design requirements for cooling water to reactor coolant pumps (CESSAR page A-73) has incorrectly

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JUL 6 1981

cited the staff position. CE should either correct the position or refer it to the applicant's scope and include only the results of the loss of cooling water to the reactor coolant pump test results from CENPD-201-A.

- 8. CE should clarify the safe failure positions of all air-operated valves in the CESSAR scope by reference to Chapter 6. In addition, CE should provide an interface requirement for instrument air quality.
- 9. CE should include the interface requirement for redundant air conditioners for the RPS and ESFAS.
- 10. CE should identify a recommended water-hammer testing program which addresses NUREG/CR-1606.
- 11. CE will review and revise as necessary the interface references identified in Section 9.2.3 of the CESSAR FSAR for the demineralized water system.

Based on the information presented during the meeting and in anticipation of the resolution of the issues described above, the staff indicated that it would begin to draft a safety evaluation report (SER) for the applicable sections of the CESSAR FSAR.

ORIGINAL SIGNED BY:

Chris I. Grimes, Project Manager
Standardization and Special
Projects Branch
Division of Licensing

Enclosures:
As stated

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

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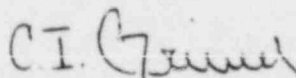
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Chris I. Grimes, Project Manager
Standardization and Special
Projects Branch
Division of Licensing

Enclosures:
As stated

MEETING ATTENDEES
CESSAR AUXILIARY SYSTEMS
June 9, 1981

<u>Name</u>	<u>Organization</u>
C. I. Grimes	NRC/DL/SSPB
J. S. Wermiel	NRC/DSI/ASB
V. W. Panciera	NRC/DSI/ASB
C. B. Brinkman	CE (Bethesda)
Terry F. Quan	APS
W. W. Boles	Bechtel
M. F. Hodge	APS
George Davis	CE
E. S. Markowski	CE
C. W. Puoss	CE
Dan Peck	CE
Rick Turk	CE
Greg Wuertz	CE
Irving Bernstein	CE
John Waters	CE
Rick Bradshaw	CE
Davis W. Tolli	CE
Nick Fioravante	NRC/DSI/ASB