

November 30, 1989

MEMORANDUM FOR: Jose A. Calvo, Chief
Technical Specifications Branch
Division of Operational Events Assessment, NRR

FROM: Richard L. Emch, Jr., Section Chief
Review and Assessment Section
Division of Operational Events Assessment, NRR

SUBJECT: MINUTES OF MEETING WITH COMBUSTION ENGINEERING
OWNERS GROUP TO DISCUSS OPERABILITY, SUPPORT
SYSTEMS, AND COMPLETION TIME

On November 27, 1989, the NRC staff met with members of the Combustion Engineering Owners Group (CEOG) to discuss operability, support systems, and completion times as these issues relate to Technical Specifications (TS).

The staff emphasized that the purpose of the TS is to preserve the validity of the safety analyses, and that the Limiting Conditions of Operation (LCOs) and Allowed Outage Times (AOTs) are based on the General Design Criteria (GDC).

The staff presented the definition of operability, and illustrated its use using a typical electrical power system diagram. Support system operability and "cascading" was also discussed.

A key issue involved the concept of availability versus operability. Industry seems to feel that a support system that is available but not operable because a single valve or circuit breaker has been misaligned on purpose (say, for preventive maintenance) and which could be quickly realigned by the operator from the control room, should not be treated as harshly as a truly broken and inoperable support system. In particular, industry would like not to have to cascade inoperability to supported systems in this case. The staff stated that exceptions would have to be justified by analysis and handled on a case-by-case basis.

Completion times were discussed, and R. S. Starkey from the CEOG/Waterford plant indicated that he was in full agreement with the four completion time examples that were presented by the staff.

Original Signed by
Richard L. Emch, Jr.
Richard L. Emch, Jr., Section Chief
Review and Assessment Section
Technical Specifications Branch
Division of Operational Events Assessment, NRR

Enclosure: Meeting Attendance

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MEETING ATTENDANCE
NOVEMBER 27, 1989

<u>NAME</u>	<u>ORGANIZATION</u>
Sheri Peterson	OTSB/DOEA/NRR
Maggalean K. Weston	OTSB/DOEA/NRR
Stu Webster	Combustion Engineering
R. S. Starkey	LP&L
Bill LeFave	SPLB/DST/NRR
J. S. Wermiel	SPLB/DST/NRR
E. J. Weinkam	FPL
Mark Reinhart	OTSB/DOEA/NRR
Richard Emch	OTSB/DOEA/NRR
Dave Noonan	SERCH Licensing (Bechtel)
D. Wigginton	PDIV/NRR
C. Schulten	OTSB/DOEA/NRR
Bob Tjader	OTSB/DOEA/NRR
Chris Hoxie	OTSB/DOEA/NRR
Jose Calvo	OTSB/DOEA/NRR
P. D. Milano	OTSB/DOEA/NRR
Claudia Abbate	PDIV/DRSP/NRR

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