



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

83-768

AUG 31 1983

MEMORANDUM FOR: Vincent S. Noonan, Chief
Equipment Qualifications Branch
Division of Engineering

THRU: *RG* Robert G. LaGrange, Section Leader
Equipment Qualifications Branch
Division of Engineering

FROM: A. S. Masciantonio
Equipment Qualifications Branch
Division of Engineering

SUBJECT: FORTHCOMING MEETING WITH WESTINGHOUSE, ASCO, FRC
AND EG&G

DATE & TIME: Friday, September 9, 1983
9:00 a.m. - 3:00 p.m. *Col. [unclear]*

LOCATION: Room 1713
Maryland National Bank Building
Bethesda, Maryland *28248 - 27217*
n. [unclear]

PURPOSE: To discuss results of recent FRC research qualification
tests of ASCO solenoid valves

PARTICIPANTS:

<u>NRC</u>	<u>Westinghouse</u>
V. Noonan	R. B. Miller
Z. Rosztoczy	
R. Cleveland	<u>FRC</u>
W. Farmer	
R. LaGrange	S. Carfagno
A. Masciantonio	V. Bacanskas
W. Laudan	
N. B. Le	<u>EG&G</u>
	R. Borgen
	Max Yost
<u>ASCO</u>	
J. Shank	
Ken Powell	
Terry Johnson	
Bill MacLehose	

A.S. Masciantonio
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ADDRESSEE LIST FOR MEMO DATED AUG 31 1983

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V. Bacanskas

ASCO

J. Shank

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R. Borgen

Westinghouse

R. B. Miller

Natural age failures

~~Findings~~ - Degradation observed was similar to artificially aged valves
"no new failure modes identified"

- ASCO results
 - valve 8 not qualified to 440°F
 - valve 9 close to failure but considered acceptable
- If enough air available @ Franklin valve 9 might have worked
- Franklin exploded valves to 460°F
- Franklin test program considered excessive
 - 2000 cycles at 131°F could account for failures

Possible conclusion

Franklin test overstressed valves

→ valves 8 & 9 cannot be considered qualified for conditions of 440°F as claimed by ASCO

Nothing in Franklin tests would tend to discredit previous qualification tests at ASCO
Valves must be considered qualified to 340°F
→ 382-1972 standard ←

Also - Franklin did ~~not~~ do a valid test
but it was too severe
∴ valves are not qualified to FRC test conditions

Mark Williams - re B.N.

and volume to Elcomat
recovered

→ reoffer BN & a addition recommend ~~Bulletin~~ G. Latta
or Bulletin

design problems seen
should not be used above 340°F

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Central File
EQB Rdnng File

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