MEETING SUMMARY DISTRIBUTION

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R. Boyd
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T. Speis
P. Collins
C. Heltemes
R. Houston
S. Varga
J. Miller
F. Williams
R. Heineman
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R. Tedesco
J. Knight
S. Pawlicki
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P. Check
T. Novak
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W. Gammill
G. Knighton
B. Youngblood
W. Regan
D. Bunch
J. Collins
W. Kreger
R. Ballard
M. Spangler
J. Stepp
L. Hulman
H. Smith
M. Rushbrook (3)
Project Manager
NRC Participants

AUG 25 1976

Docket Nos: 50-438
and 50-439

FACILITY: Bellefonte Nuclear Plant, Units 1 and 2

APPLICANT: Tennessee Valley Authority

SUMMARY OF MEETING HELD ON AUGUST 20, 1976; TO DISCUSS TVA'S PROPOSAL TO RELIEVE THE REQUIREMENT FOR INSERVICE VOLUMETRIC INSPECTION OF HIGH-ENERGY FLUID SYSTEM PIPING ENCLOSED IN GUARD PIPES

We met with representatives of TVA in Bethesda, Maryland to discuss high-energy fluid system piping enclosed in guard pipes to be installed at the Bellefonte facility. TVA is requesting that we exempt welds normally requiring inservice inspection from such inspection. A list of attendees is contained in Enclosure 1.

TVA stated that their pipe design would not allow inservice inspection unless many undesirable modifications are made. TVA feels that in the unlikely event of failure of the process pipe weld, the guard pipe will contain the forces associated with the event without failure of the guard pipe. We indicated that TVA would have to provide an analysis showing that the Bellefonte containment would not be violated if an uninspectable weld failed. TVA stated that they would provide such an analysis. Enclosure 2 contains a figure showing the particular weld for which TVA is requesting the exemption from inservice inspection.

We stated that TVA should include the following in their analysis:

1. Analyze for circumferential and longitudinal breaks at the process pipe forging interface weld. Include the dynamic loading effects on the guard pipe and analyze for the forces of the SSE plus dynamic loading of the break plus dead load. Be sure to also address jet impingement effects.

2. TVA must show that the guard pipe will not fail and as a minimum, that containment will remain intact.

3. A summary description of the analysis should be provided.

We stated that we must find TVA's analyses acceptable and that it must show that the Bellefonte containment will not fail before we would consider granting an exemption from inspection of these welds. TVA will inform us of the date they expect this analysis to be complete.

Original signed by

W. J. Pike, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

DV

Enclosures:
As stated
cc: See next page

OFFICE	LWR-3	LWR-3			
SURNAME	WPike:ld	OParr			
DATE	8-25-76	8/25/76			

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AUG 25 1976

cc: Tennessee Valley Authority
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OFFICE ➤						
SURNAME ➤						
DATE ➤						

AUG 25 1976

ENCLOSURE 1

ATTENDANCE LIST
TENNESSEE VALLEY AUTHORITY
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2
MEETING AUGUST 20, 1976

NRC:	TVA:
W. J. Pike	D. L. Terrill
H. L. Brammer	M. N. Bressler
M. R. Hum	R. H. Daniel
F. C. Cherny	G. M. Given
H. Balukjian	P. A. Evans
J. P. Knight	K. L. Mogg
W. F. Anderson	J. J. Wilder
P. C. Hearn	T. E. Spink

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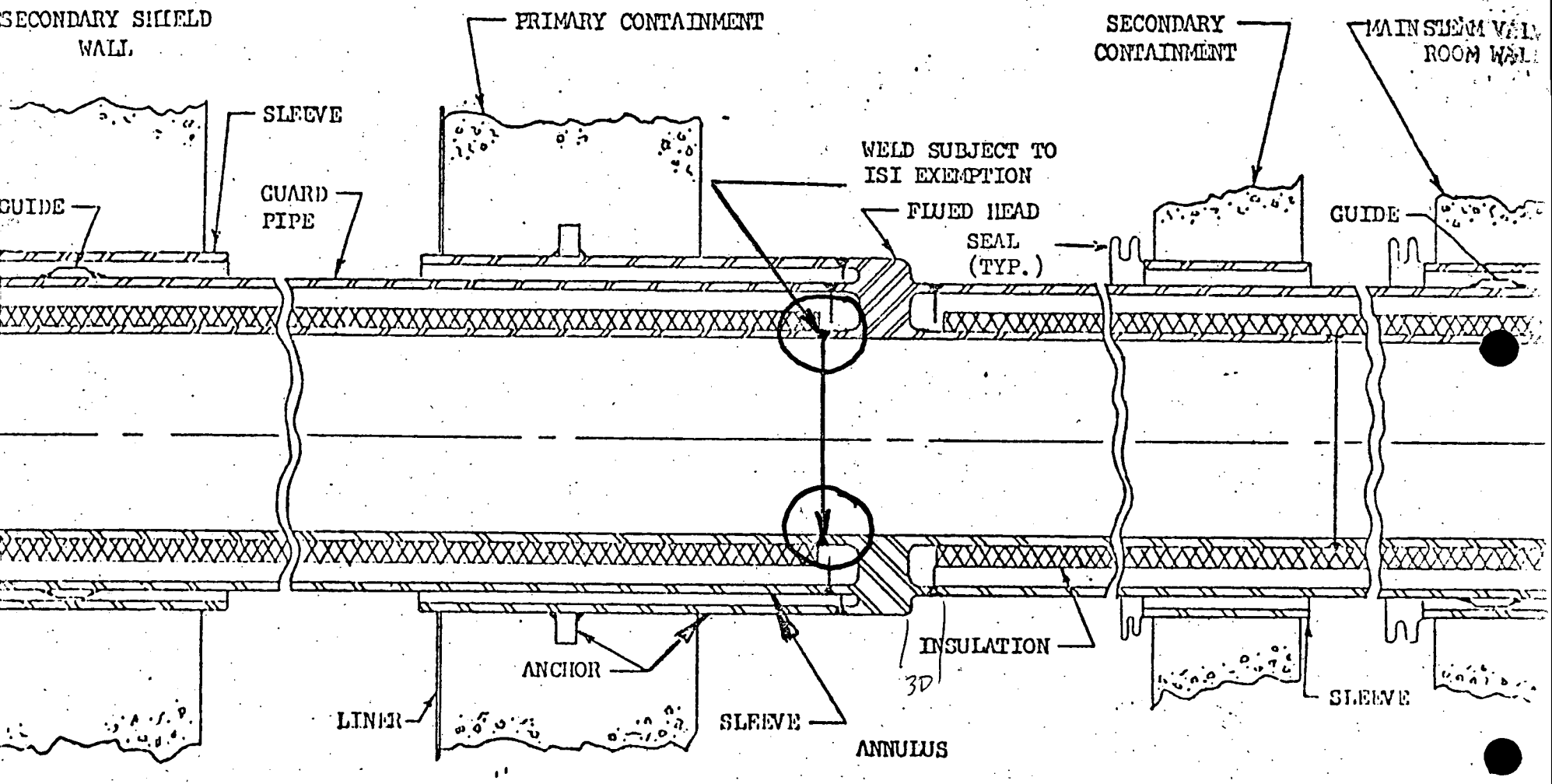
DATE ➤						



TYPICAL PENETRATION WITH GUARD PIPE, BELLEFONTE NUCLEAR PLANT

MAIN STEAM AND FEEDWATER LINES

ENCLOSURE 2