

APR 11 1977

DOCKET NOS: 50-568 AND 50-569

APPLICANT: NEW ENGLAND POWER COMPANY, ET AL

FACILITY: NEP 1 AND NEP 2

SUBJECT: MARCH 10, 1977, PRELIMINARY ASSESSMENT OF DESIGN BASIS ACCIDENT DOSES AT THE EXCLUSION BOUNDARY DISCUSSION WITH THE APPLICANTS

We met with representatives of New England Power Company, et al and United Engineers and Constructors Inc. to discuss our preliminary assessment of the NEP 1 and 2 design basis accident dose at the site boundary. A list of attendees is enclosed.

We informed the applicant that our preliminary dose assessment at the site boundary was about 300 rem. We used a X/Q value of 8.5×10^{-4} , assumed a spray volume of 80% and a λ of 10 for the calculation. The applicant had used a X/Q value of 7.1×10^{-4} , spray volume of 100% and a λ of 12 for their calculation. In addition, it was determined that some differences exist between our model and the applicant's model. We will work with the applicant to resolve these differences.

The outer containments used on the Seabrook plant were not replicated on the NEP plant. As a result of some penetrations being outside the NEP partial dual containments we are treating these containments as if they were single containments. This is probably the major difference between the applicant's assessment and ours.

The applicant has agreed to reassess the site boundary dose and provide the necessary changes to bring the dose within acceptable limits.

15/
Walter J. Pike, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

Enclosure:
As stated

cc: See page 2

OFFICE >	LWR 3 <i>WJP</i>	LWR 3 <i>OParr</i>				
SURNAME >	<i>WJP/red</i>	OParr				
DATE >	4/11/77	4/11/77				

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APR 11 1977

cc: New England Power Company
 ATTN: Joseph Harrington
 Project Manager
 20 Turnpike Road
 Westborough, Massachusetts 01581

John A. Ritscher, Esq.
 Ropes & Gray
 225 Franklin Street
 Boston, Massachusetts 02110

Mr. G. Frank Cole
 Project Manager
 United Engineers and Constructors, Inc.
 30 South 17th Street
 P. O. Box 8223
 Philadelphia, Pennsylvania 19101

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SURNAME >						
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WJP
Walter J. Pike, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

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SURNAME >	WPike/red	OParr			
DATE >	4/ /77	4/ /77			

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DISTRIBUTION

MEETING SUMMARY

Docket File
NRC PDR
Local PDR
LWR-3 File
TIC
NRR Reading
B. Rusche
E. Case
R. Boyd
R. DeYoung
D. Vassallo
D. Skovholt
J. Stolz
K. Kniel
O. Parr
S. Varga
R. Denise
R. Clark
T. Speis
P. Collins
C. Heltemes
R. Houston
L. Crocker
J. Miller
F. Williams
R. Heineman

H. Denton
D. Muller
Project Manager Walt Pike
Attorney, OELD
M. Rushbrook
J. Knight
D. Ross
T. Novak
R. Tedesco
R. Bosnak
S. Pawlicki
R. Bosnak
I. Sihweil
P. Check
Z. Rosztomczy
IE (3)
G. Laines
V. Benaroya
V. Moore
T. Ippolito
R. Vollmer
M. Ernst
F. Rosa
W. Gammill
L. Dreher
ACRS (16)
NRC Participants
D. Bunch
L. Soffer
P. Tam
C. Ferrell

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