

July 8, 1982

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Mr. Louis L. Wheeler, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington D. C. 20555

Docket No. 50-443, Public Service Company of New Hampshire, et al.

RE: COMMENT ON DRAFT ENVIRONMENTAL STATEMENT RELATED TO THE
OPERATION OF SEABROOK STATION, UNITS 1 & 2.

John F. Doherty, J. D., of Houston, Texas, comments as
below on the DES recently released by the NRC.

Doherty Comment One

In Appendix C, the following statement (p. C-6) occurs:

To illustrate: A single model 100-MWe LWR operating at
an 80% capacity factor for 30 years would be predicted
to induce between 3.3 and 5.7 cancer fatalities in
100 years, 5.7 to 17 in 500 years, and 36 and 60 in
1000 years as a result of releases of radon-222.

To this fuel cycle impact description, the following
detail should be determined and added:

- a) The range of number of cancer fatalities for each 1198 MWe
Seabrook Station reactor at its projected capacity factor
and the licensing period under consideration, from fuel
cycle radon-222;
- b) The range of number of cancer injuries induced by fuel
cycle radon-222 for each Seabrook Station reactor at
its projected capacity factor and licensing period;
- c) The range of number of fatal birth defects induced by
fuel cycle radon-222 for each Seabrook Station reactor
at its projected capacity factor and licensing period,
and;
- d) The range of number of non-fatal birth defects induced
by fuel cycle radon-222 for each Seabrook Station reactor
at its projected capacity factor and licensing period.

Thank you for the opportunity to comment.

Sincerely,

John F. Doherty, J.D.
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