

Lot 2 Lindenshire
Exeter, NH 03833
February 1, 1986

U.S. Nuclear Regulatory Commission
631 Park Ave.
King of Prussia, PA 19406

Dear Sirs:

I would like to find some information on radiation protection as it applies to above ground structures. I'm a resident of Exeter, NH and live within a 10-mile radius of the Seabrook Nuclear Power Plant. The evacuation plan proposed for the town of Exeter recommends that some residents (particularly the elderly and the handicapped) should remain in their homes as an alternative to evacuating the area in the case of a nuclear emergency. I wish to obtain some technical information describing the protective capabilities of above ground homes and institutions (nursing homes, hospitals) in the event of a nuclear accident at Seabrook.

The details of the information should include the identities of radionuclides resulting from a nuclear accident, the estimated levels of radiation in the air within a 10-mile radius (5-50 miles would be an acceptable range), and the ability of various structures (i.e., brick buildings, clapboard homes, window panes) to prevent estimated levels of radiation from penetrating through these structures.

I understand it is difficult to predict the conditions of a nuclear accident and the effects it will have on the surrounding area under various conditions of weather, season of the year, etc.. However, some predictive modeling should be available under a normal or expected range of conditions. Also, information on structures, radiation shielding, etc. should be documented with regards to nuclear power accidents.

If you do not have this information first hand, can you offer some names or references that I can look up at a local University library? This information is of special importance if our town is to establish a safe evacuation plan.

Sincerely yours,

Bob Moore

Bob Moore

8603060098 860225
PDR ADCK 05000443
H PDR