

NORTH ANNA ENVIRONMENTAL COALITION

January 4, 1978

P.O. BOX 3951

CHARLOTTESVILLE, VIRGINIA 22901

(717)533-7694 or (804)293-6039

Mr. Leon Reiter, Seismologist

Geosciences Branch

Division of Site Safety and Environmental Analysis

U.S. Nuclear Regulatory Commission

Washington, D. C. 20555

Dear Mr. Reiter:

The North Anna Environmental Coalition respectfully requests that you answer the following questions at your earliest convenience:

(Re Reiter Affidavit of July 13, 1977)

1. What work is the Geosciences Branch doing to determine why "there is more activity (micro-seismic) along the lake shores" at North Anna?
2. You write that "there is no evidence that micro-earthquake/^{activity} is occurring elsewhere along Neuschel's lineament," and argue against its being seismically active. Does not the cluster of 46 micro-earthquakes strongly suggest that at the point where the lineament intersects the lake, it has been activated by the weight of the water?
3. Do you agree with seismologist Seth Coplan that fault lubrication and reactivation is not a function of fault age? Given that, does not the "historical" record of activity along Neuschel's lineament become irrelevant in terms of assessing the current water-induced activity?
4. When you state that earthquake activity at North Anna "is not at all regionally anomalous," what is the source of your data for the comparison? If "lack of instrumentation" has deprived you of base-line figures and micro-earthquake monitoring installations elsewhere are rare, how did you arrive at a standard of what was "regionally anomalous" or regionally normal?
5. Where else in Virginia have you found comparable clusters of 46 micro-earthquakes?
6. Where in the seismological literature are there examples of 30-year seismic predictions successfully made on the basis of 3 years of micro-seismic monitoring?
7. What is the upper limit registered by the network? What was the date or dates of the two earthquakes in the cluster which registered a magnitude of greater than 2?

Thank you for your professional assistance.

Sincerely,

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PDR FOIA

BELL85-363

PDR

June Allen

President, NAEC

cc: Rep. John Moss
Sen. Gary Hart

NORTH ANNA ENVIRONMENTAL COALITION

January 4, 1978

P.O. BOX 3951

CHARLOTTESVILLE, VIRGINIA 22901

(717)533-7694 or (804)293-6031

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