

**From:** <lakelovers@earthlink.net>  
**To:** "Ellie Irons" <elirons@deq.virginia.gov>, "Jack Cushing" <JXC9@nrc.gov>, "North\_Anna\_Comments@nrc.gov" <North\_Anna\_Comments@nrc.gov>  
**Date:** 8/11/2006 9:32:45 AM  
**Subject:** Concerns about Lake Anna

Mr. Jack Cushing

Environmental Project Manager for the North Anna ESP Site Application

U.S. Nuclear Regulatory Commission

Washington D.C. 20555

Ms. Ellie Irons

Virginia Department of Environmental Quality

629 East Main street, Richmond, VA 23219

Reference: Comments on the Draft Supplemental EIS and Federal Consistency

Certification on the Early Site Permit for North Anna  
Nuclear Power Plant

Mr. Cushing and Ms. Irons,

I have the following concerns related to Lake Anna, including both the main reservoir and the cooling lagoons, and the impact on the current conditions caused by the existing and proposed reactors at the North Anna power plant. I have lived on the lake, the second cooling lagoon for ten years and am very aware of the continuous negative trend the lake is taking by observing fish kills, temperature rise, erratic water levels, increased various grass growth (hydrilla and skunk grass) and simply quality of water. These issues may not always be discovered by the monitoring agencies as they tend to monitor in open water rather than back in the coves.

I have followed what has happened over the last year with the Friends of Lake Anna and Dominion Power. I am pleased with the results so far on the changes being made to the cooling process for the third reactor. It culminated a lot of hard work that would not have been necessary if Dominion, and other agencies, had had the interests of the lake dwellers first and foremost in their minds.

The issue is simple, once the warm side of the lake was opened up to speculation and development, the rules should have changed. The warm side should no longer have been considered a Waste Heat Treatment Facility, with the same guidelines as if we lived on sewage treatment facility. This term should be changed and guidelines written that would adequately insure the residents of the warm side the same health standards as any other public facility in the state or nation. Our situation is definitely unique and should have been identified as such when the power plant was first built. Realizing that this may have required necessary changes to the plant and its cooling facilities, they could have been included in the plans and that time and saved the Dominion and subsequently the taxpayers a lot of money.

104 degrees have continually been used as a benchmark for acceptable water temperature on the WHTF. Anyone living here, and that number is growing significantly, would tell you that that figure has become unacceptable. This is now a recreational facility, as is the cold side. As I said before things change, and so must the concern for the health and welfare of us using this facility. I empathize with Dominion, however, their original ESP request for the third and fourth reactors demonstrated to me and others that they did not truly have the condition of the cooling lagoons nor the health of those using it, first and foremost in their plan. By definition, Dominion has been allowed to use a public facility for profit, with no previous constraints by the county, state or federal government.

The heat generated by the power plant is now not only affecting the warm side but is now affecting the public side, to a somewhat lesser degree, north of the 208 bridge. This alone should invoke concerns from various governing agencies. People directly across from the third dike and just north of the main dam, have experienced water temperatures approaching those on the warm side.

A recent email from County Board of Supervisor Eric Purcell to the various local administrators and state media, illustrates the total lack of objectivity and support we have received from some in positions of responsibility in the county. Mr. Purcell appears to be very short-sighted, ignoring the fact that we at the lake are also residents of the county, and he appears to have his own agenda. He makes accusations that cannot be substantiated and are simply not true. He also implies that we are liars when emphasizing that we are not anti-nuke.

I implore you to listen to the Friends of Lake Anna, consider what thirty-five years of development and growth have done to the lake, especially the warm side, and act to constrain the present and future impact of Dominion, so that future generations can enjoy this beautiful recreational area.

Thank you.

Robert C. Richards

216 Becky Court

Bumpass, VA 23024

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"Ellie Irons" <elirons@deq.virginia.gov>  
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