

From: "Keely, Levering " <levering.keely@fda.hhs.gov>
To: "elirons@deq.virginia.gov" <elirons@deq.virginia.gov>, "Jack Cushing" <JXC9@nrc.gov>, "North_Anna_Comments@nrc.gov" <North_Anna_Comments@nrc.gov>
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Subject: FROM:
cc: "H&C.RUTH@LOUISA.NET" <H&C.RUTH@LOUISA.NET>

FROM:
G. Levering (Lev) and Ann M. Keely
90 Loch Erie Way (Panamint Shores)
Bumpass, VA 23025
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3918 Spruell Dr.
Kensington, MD 20895-1344
Phone 301-942-8033 (Home)
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TO:

Mr. Jack Cushing, and
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

Dear Mr. Cushing and Ms. Irons,

We are writing because of our following concerns related to Lake Anna (both the main reservoir and especially the cooling lagoons) and the current conditions caused by the existing and proposed reactors at the North Anna power plant.

I am a part-time resident at Lake Anna and have questions regarding the safety and status of the lake for residents. We have a neighbor whose child has been diagnosed with leukemia and can not be around the lake because of health risks. We have two children under ages of 2 years and want assurances that their health is not potentially compromised. Finally my wife had a recent case of UTI for which she is being treated that could be

attributed to CFU at the lake.

I was wondering if there are recent observations for temperature, bacteria, pH, etc., for the last month or so? The only report I can find is the comprehensive Water Quality Report (2005) prepared as part of the Lake Anna Water Quality Monitoring Program by Kenneth Remmers sponsored by the LACA.

The water appears to be hotter this year than in the past (98 degrees off our dock at cooling pond #3) and there appear to be algae blooms in the region (#6 area). We are concerned that there may be health risks especially for at-risk populations such as the immunologically deficient persons and for elderly and children/infants. Is there any risk especially to infant populations?

Can you provide me with the most recent documentation of water safety and comparison to standards?

I understand that there is a meeting planned by the U.S. Nuclear Regulatory Commission (NRC) and Virginia Department of Environmental Quality (VDEQ) on August 15 and 16. Unfortunately I will be unable to attend this meeting but would like my concerns voiced at the meeting. I have the following additional concerns:

- * Please explain what assurances can you provide that the Lake Anna cooling lagoon users are provided the same protections for health, safety, welfare & water quality that are provided the Lake Anna users on the main reservoir.

- * As you can see from my concerns above I have questions about the apparent increase of water temperature recently in the lake and relationship to health concerns. I would like to see limitations placed on the water temperatures to no greater than 104 degrees F at the end of the discharge canal to comply with U.S. Safety Commission & Va. Dept of Health. Insure the limitation is put in to all water permits and penalties will apply if exceeded - Change point of compliance from Dike 3 to end of Discharge Canal)

- * I would like assurances that the terminology of "Waste Heat Treatment Facility (WHTF)" to describe the cooling lagoons is stopped, so it is not viewed and treated similar to a sewage treatment facility by most state and federal agencies. The 1970 VEPCO literature envisioned a lake with a main reservoir and cooling lagoons that serves as a major recreation area for about 2 million visitors a year by 2000, plus provide cooling for nuclear reactors. Description as a "Waste Heat Treatment Facility" sewage is not compatible with recreation.

- * Have VDEQ monitor the cooling lagoons and impose penalties if the health, safety and welfare of the users are violated. Have the cooling

lagoons designated as quasi public waters

* Insure that the proposed construction of a 3rd & 4th reactor will minimize the adverse affect to the quality of life for those that live and use Lake Anna. Some initial concerns:

1. Height of dry and wet cooling towers, facility buildings
- Dominion changed from public briefing
2. Noise emitted by giant fans -180/230 foot tall buildings - no noise barriers from trees 75' tall
3. Use of additional water - impact on Lake Level's from small water shed
4. Possible use of Lake for future public water supply of surrounding counties
5. Impact of 7,000 NEW workers for 5 years on local roads and schools
6. Emergency evacuation on small 2 lane roads
7. Spent nuclear fuel - (where stored, terrorist attack protections)
8. Impact of additional fog and icing on local roadways from wet cooling towers.
9. Additional Water temperature as a result of blow down/discharge from wet cooling towers.
10. Health problems re increased bacteria from increased water temperatures.
11. Raising of lake level 6 to 12 inches to retain more water- destruction of adjoining property

Your reply is appreciated.
Thank you,

Sincerely,

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