

## PMNorthAnna3COLPEmails Resource

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**From:** Walt Michalski [walterjoseph@hughes.net]  
**Sent:** Thursday, March 17, 2011 12:07 PM  
**To:** Sarah Marsala (VDEQ - VWP); Dozier, Tamsen; Ellie Irons (VDEQ)  
**Cc:** Allen Lassiter (Sunset Harbor); Willie Gentry (LCBS-Cuckoo); Willie Gentry (LCBS - CD); Dan Byers (LCBS -Jackson)  
**Subject:** Re: FOLA - Additional comments re DEQ Consistency Review, NRC Supplemental Environmental Review & DEQ Water Permits

Dear Ms Marsala, Dozier and Irons, as a full time resident at Lake Anna (warm side) and member of FOLA, I agree with the below comments.

Walt Michalski  
145 Jerdone Island Drive  
Bumpass, VA 23024

----- Original Message -----

**From:** [Harry Ruth](#)  
**To:** [Sarah Marsala \(VDEQ - VWP\)](#) ; [Tamsen Dozier \(NRC Environmental\)](#) ; [Ellie Irons \(VDEQ\)](#)  
**Cc:** [Allen Lassiter \(Sunset Harbor\)](#) ; [Willie Gentry \(LCBS-Cuckoo\)](#) ; [Willie Gentry \(LCBS - CD\)](#) ; [Dan Byers \(LCBS - Jackson\)](#) ; [Jack Higgins\(Plum Tree\)](#) ; [Michael Ireland \(Contrary Forest\)](#) ; [Barbara Crawford \(Cuckoos Nest\)](#) ; [Bob & Jo Richards](#) ; [Chuck Grutzius \(Covenant Cove\)](#) ; [Dan & Fran Verjinski](#) ; [Dan & Leslie Baker \(Lot 1 - Ruth Est\)](#) ; [Dan Baker \(Work-Busbees\)](#) ; [Dave & Terry Conn](#) ; [Dennis Schaible](#) ; [Duane Redic](#) ; [Frank Jenkins](#) ; [Fred & Cara Bitzer](#) ; [Gary & Linda Bullis](#) ; [Gary Muller](#) ; [George & Gerry Heino](#) ; [Helen & Bruce McCotter \(Red Hat\)](#) ; [Jim Burdge](#) ; [John & Tessie Fugett \(Busbees\)](#) ; [Ken Remmers](#) ; [Ken Remmers \(work\)](#) ; [Kirt Obeck \(Busbees\)](#) ; [Linda Probst \(Pine Harbor\)](#) ; [Paul Schoenhard](#) ; [Rich Kunz\(Covenant Cove\)](#) ; [Richard Morrow](#) ; [Steve & Doris McGuire](#) ; [Steve \(Ski\) & Cheryl Monoski \(Both Waters\)](#) ; [Tersh & Jean Norton](#) ; [Walter Michalski](#) ; [Will & Aileen Frazee \(Jerdone Is\)](#) ; [Will Frazee](#)  
**Sent:** Saturday, March 12, 2011 10:13 AM  
**Subject:** FOLA - Additional comments re DEQ Consistency Review, NRC Supplemental Environmental Review & DEQ Water Permits

12 March 2011

To: Tamsen Dozier (NRC Supplemental Environmental Review for Unit 3 - North Anna)  
Ellie Irons (Va. Office of Environmental Impact Review ) Coastal Zone Management Consistency Certification - Unit 3 North Anna  
Sarah Marsala (VDEQ - Water Permits for Unit 3 - North Anna

Reference: Construction of Unit 3 at North Anna & the various permits, reviews, certifications.

1. Although you were all copied on the below email, we would like to ensure that all comments contained therein are fully considered as part of your respective reviews, permits, consistency certifications.

2. Please see the attached FOLA - Lake Anna 2010 Visitor Statistical Summary Methodology document to find the details that were used in producing the first Lake Anna Visitor Statistical Summary. Hopefully this will clarify any questions you previously had..It also contains a comprehensive view of all the various recreational facilities at Lake Anna, together with supporting data that was used to calculate the approximately 3 million annual recreational users at Lake Anna. The following is a summary only (see attachment for the details)..

The first Lake Anna Recreational Days statistical Summary was produced using both KNOWN (published details) and EDUCATED ESTIMATES OF ACTIVITY. A portion of the KNOWN data was collected from the various campgrounds, marina's, state park, etc. as of 30 November 2010. A portion of the KNOWN data was proprietary data supplied by the individual campground and marina owners/representatives and can be used in the statistical summary only, but the individual details are not to be disclosed otherwise per agreement. The KNOWN Lake Anna State Park data was supplied by the Lake Anna State Park.

The EDUCATED ESTIMATES OF ACTIVITY was developed by surveying many personnel that live or have businesses around the lake and developing averages from their responses.

Prior to publication, the Department of Conservation and Recreation (DCR) was again consulted to review the modeling methodology. Also, the Historical Projection from the 1971 North Anna Reservoir Land Use Plan produced by the Virginia Commission of Outdoor Recreation with the support and assistance of Virginia Electric and Power Company was consulted. As indicated above, the 1971 plan projected recreational activity between 2,300,000 to 3,500,000 recreation days by the year 2000. Using the model and computing the results, FOLA's total of 2,969,522 visitor recreation days in each of the categories at Lake Anna for 2010 was considered to be an accurate estimated statistical summary.

3. Since the NRC is not going to review the Reactor design until 2013, as stated below, this is the perfect opportunity to reconsider the cooling method proposed before any construction begins and the designs are still undergoing reviews. Using more dry cooling would substantially reduce the 24 million gallons a day of consumptive use of Lake Anna water. Dry-cooling condensers are currently in use at various parts of the world. By using more or exclusively dry cooling for the 3rd unit, it would greatly reduce the many environmental impacts; including more water in Lake Anna to dissipate the heat from the existing two reactors; no additional chemical pollutants, including biocides and algicides used with the proposed cooling towers to prevent them from being clogged with mold and mildew and the anti-fungal agent Tributyltin & copper, all of which is proposed to be discharged into waters that are used by approximately 3 million annual recreational users of the lake.

At this stage of the design process, using more dry-cooling would offer significant environmental benefits with inconsequential costs associated with such a modification.

4. The recent (March 2011) earthquake in Japan and the resulting destruction to the building housing a nuclear reactor and the releasing of much radio activity into the atmosphere which resulted in evacuating thousands of persons within a 6 mile or greater vicinity of the reactor, is much cause for alarm. There are just so many environmental impacts associated with this disaster, that it is paramount that the NRC, VDEQ and the Coastal Zone Certifications reviews carefully consider the Japan disaster and concerns expressed previously with the Lake Anna Environment before granting any further water permits or Consistency Certifications or Environmental Impact statements. It just makes sense that the public should be able to know what the final approved design is of the 3rd reactor before granting any water permits or consistency certifications.

Please advise if you have any questions.

Sincerely,

Harry Ruth  
for the Friends of Lake Anna

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**Subject:** Re: FOLA - Additional comments re DEQ Consistency Review, NRC Supplemental Environmental Review & DEQ Water Permits  
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**From:** Walt Michalski

**Created By:** walterjoseph@hughes.net

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