

**From:** Andrew Kugler  
**To:** Borduin, Bill & Jean  
**Date:** 8/27/04 10:59AM  
**Subject:** Re: Fw: The LACA Annual Meeting (Concerns)

Bill,

I apologize for the delay in responding to you. I've been out of the office a lot over the last few weeks.

I'm not certain what the "report" from Mike Scott is to which Mr. White is referring. Unfortunately Mike is out of the office and I won't be able to talk to him about it. But having talked to one of the other site safety project managers, my best guess is that Mike was trying to express the fact that even if the NRC eventually approves the early site permit (ESP), the decision whether to go forward with a request for a construction permit or combined license, and to actually build a plant, lies with the applicant. But it is clear in the regulations that we have the authority to deny the application for the ESP. A denial could be based on issues in one or more of the three major areas of review - site safety, emergency planning, and environmental. Also note that any eventual application for a construction permit or combined operating license will have a separate licensing review, must also meet safety and environmental requirements, and could be denied.

The key concern expressed by Mr. White was related to the cooling system for Unit 4. As I suspect you are aware (but Mr. White may not be), Dominion has modified its proposal for the cooling system for that unit. This change is documented in a letter to NRC dated March 31, 2004, and in revision 2 to the application, dated July 15, 2004. The revised proposal involves the use of a dry cooling tower system. Put simply, this system is similar to the radiator in your car. The coolant flows through coils and large fans blow air across the coils. The major advantage of this system is that it doesn't consume (evaporate) water from the lake. However, this system does use more of the plant's power output to run the fans, making the plant less efficient (the power output is less for the same heat put in by the reactor). So the water savings aren't "free".

I hope this response is helpful. Let me know if you have any other questions.

Andy Kugler  
301-415-2828

>>> "Bill & Jean Borduin" <jbord333@cstone.net> 07/28/04 11:33AM >>>

Hello Andy!

Please read the question from Bernie at the beginning of this e-mail and my response. Before I respond by phone to Bernie.....would you answer this question relative to the environmental review.

Does the NRC have the authority to deny the request of an applicant in the final conclusion of the ESP process?

Thanks Andy!

Bill Borduin

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

From: BERNARD WHITE

To: Bill Hayden ; Bill & Jean Borduin

Cc: Bill Hayden ; Bill Martin ; Bill Murphey ; Bob Kepley ; Chris Mykrantz ; Herb Distefano ; Joe E. Bailey ; Olivia Ryan ; Bill and Jean Borduin ; Gerry Hoskins ; George O'Connell  
Sent: Wednesday, July 28, 2004 7:03 AM  
Subject: Re: The LACA Annual Meeting (Concerns)

To Bill Borduin

Some how I have gotten the impression, that Dominion is examining every thing possible to build a 3rd and 4th unit here on the Lake, even piping water up from the James River to make up water shortages from the Lake.

I hope NRC will nix unit #4. But Mike Scott implied NRC's role is not to say yes or no or be judge or jury, but to oversee safety and health concerns thru the study process. His whole report worried me. Bernie

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

From: Bill & Jean Borduin

To: BERNARD WHITE ; Bill Hayden

Cc: Bernie White ; Bill Hayden ; Bill Martin ; Bill Murphey ; Bob Kepley ; Chris Mykrantz ; Herb Distefano ; Joe E. Bailey ; Olivia Ryan ; Bill and Jean Borduin ; Gerry Hoskins ; George O'Connell

Sent: Saturday, July 24, 2004 3:57 PM

Subject: Re: The LACA Annual Meeting (Concerns)

Bernie,

"You all" receive a lot of information and it is hard to remember everything.

Bill Murphey and I have had the opportunity to report information relating to the ESP at your LACA meetings and articles on the topics have been published.

Most recent article was written by Bill Murphey relating to thermo issues if the third reactor was to be constructed.

The fourth reactor...in my opinion, will never happen. Even if cooling towers were constructed, Lake Anna does not have sufficient water to meet the demand.

The application never addressed the issue of where more water would come from.

It is possible the draft report received from the NRC will nix the fourth reactor from the application.

So, for now we should learn as much as we can about the advantages and disadvantages of a third reactor.

It is important that all of us keep a clear open mind to learn both sides of the issue.

We are so fortunate to have Bill Murphey on this project because he understands the dynamics from a realistic and knowledgeable perspective.

Thanks Bernie,

I will be happy to spend time with you if you would like help.

Bill B.

As requested by Bernie:

At the Belmont Ruritan July meeting, guest speaker Mike Scott, from NRC, Washington, spoke 45 min. same speech and slides he used a year and a half ago, in Louisa County presentation "nothing new".

However, in answering a question on the capacity of the Lake to support a

3rd and 4th Nuclear Power Plant. What is new; he said that the Lake and it's watershed can not support a 4th Unit, it would have to be " AIR COOLED " This is the first time I have heard this. But he didn't say being air cooled eliminates a 4th Unit and he didn't explain. For follow up I would like to know more. Prep for Q and A's on this at the meeting.

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

**CC:** Cushing, Jack

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**Subject:** Re: Fw: The LACA Annual Meeting (Concerns)

**Creation Date:** 8/27/04 10:59AM

**From:** Andrew Kugler

**Created By:** AJK1@nrc.gov

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