

## NAPSEISComment Resource

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**From:** Remmers, Kenneth D CIV NSWCCD W Bethesda, 5800 [kenneth.remmers@navy.mil]  
**Sent:** Thursday, May 15, 2008 4:28 PM  
**To:** NorthAnnaCOLAEIS Resource  
**Cc:** hc.ruth@louisiana.net; dougsmith@firstva.com  
**Subject:** FW: Question about Temperature

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

From: Remmers, Kenneth D CIV NSWCCD W Bethesda, 5800  
Sent: Thursday, May 15, 2008 11:53  
To: 'christopher.cook@nrc.gov'  
Subject: Question about Temperature

Chris

Nice seeing you and the NRC team on Saturday. Thanks for talking to us.

I am working on getting a knot meter to measure the currents on the hot side. I would expect that we would measure the flow pattern i.e.. The two canals, dikes 1,2,3 and exit to the power plant.

Question on the temperature increase due to the third reactor. What volume of water do you assume the 100F blowdown is influencing? Where would the temperature be 0.1F higher? Or is there a gradient from plant output (hot side) to plant intake (cold side)? If you use the entire volume of the lake in this calculation, this would be inaccurate. My LACA measurements indicate the temperature of the reservoir at dike three even at 3 meters depth is cooler than that measured temperature at the dam up to 3 meters. Can you provide the calculations that back up this 0.1F increase? Can you assure me that this will be considered as significant new information in the North Anna COLA DEIS.

Ken Remmers Water Quality Chairman LACA  
13130 Westbrook Dr  
Fairfax, VA 22030  
703 969-2430

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**From:** Remmers, Kenneth D CIV NSWCCD W Bethesda, 5800

**Created By:** kenneth.remmers@navy.mil

**Recipients:**

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"dougsmith@firstva.com" <dougsmith@firstva.com>  
Tracking Status: None  
"NorthAnnaCOLAEIS Resource" <NorthAnnaCOLAEIS.Resource@nrc.gov>  
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MESSAGE	1270	5/15/2008 4:27:56 PM

**Options**

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