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From: Locke, Daniel B.

Sent: Tuesday, April 04, 2006 4:05 PM

To: Eva Polisner

Cc: Jason Huckaby; Marvinney, Robert G.; Spencer-Famous, Marcia

Subject: RE: Water needs - Redington Wind Farm

Dear Ms. Polisner,

Your total water use needs converted to gallons per minute are very small. For example, a 25,000 gallon per day usage estimated for June 2007 works out to about 0.3 gallons per minute. On the other hand, I suspect that your actual water use needs are for more of an instantaneous nature since you will need to fill water trucks for dust control and the water needed to mix the concrete needs to be right there.

Here are some thoughts. Since you have S.W. Cole assisting you with some of your geotechnical engineering needs, they could also assist you in finding the location of a high yielding bedrock well. They do this type of work all the time and have much experience in this area. Another option might be to pump water from Bridge Crossing #5 and truck it where it is needed. I think you ought to have suitable flow there depending upon how fast you plan to fill a tank truck. If you choose this approach, I would recommend that you have S.W. Cole possibly make some calculations predicting flow and/or make some measurements at the site to ensure that your withdrawal does NOT constitute a significant impact in comparison to the total flow. Such information should be furnished to LURC. Another option might be to pump water into tank trucks from Nash Stream off of Route 16.

Although there are some very small ponds near your project which comprise the headwaters of streams in the area, these would not be viable since the total flows would likely be very small and withdrawals would likely be detrimental. Also, I think access would be very difficult.

I hope you find these comments useful and constructive. Please contact me with any questions.

Sincerely,

Dan Locke  
Hydrogeologist  
Maine Geological Survey  
207-287-7171

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

From: Eva Polisner  
Sent: Tuesday, April 04, 2006 2:17 PM  
To: Dan Locke  
Cc: Jason Huckaby  
Subject: Water needs - Redington Wind Farm

Hello Dan,

I'm glad we spoke this morning about the Redington Wind Farm's water needs for dust control and the batch concrete plant. Attached is a draft spreadsheet of our projected needs in 2006 and 2007. Also, included is a map of our project area. The ideal location for the batch plant is as close to the two peaks as possible because the concrete sets in 45 minutes. We would like access to any rivers, lakes or streams that are relatively close....otherwise, the cost of trucking water may be prohibitive making a drilled well more economical. As I mentioned, Marcia Spencer-Famous is the LURC planner we have been working with during this permitting process. Please feel free to call her with any questions, or to give me a call.

Thank you for your help,  
Eva Polisner, Project Manager

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