

**Michalak, Paul**

NRO

**From:** Michalak, Paul  
**Sent:** Monday, October 19, 2009 1:41 PM  
**To:** Bradbury, John  
**Subject:** RE: Can you send me your talking points for this afternoon's meeting

No. Although it may also be that the system above the unconfined aquifer is not perched, rather it is continuous. The fact that the underlying system is unconfined may be due to its thickness and/or insufficient recharge to saturate the aquifer over its complete thickness (thus, it's unconfined).

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**From:** Bradbury, John  
**Sent:** Monday, October 19, 2009 1:31 PM  
**To:** Michalak, Paul  
**Subject:** RE: Can you send me your talking points for this afternoon's meeting

Paul: Andrea equated unconfined conditions with leakage from above. I suggested this may not be necessary. Example I gave was where the aquifer above is perched on aquitard that lies atop production zone. Am I wrong or stretching this too far? John

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**From:** Michalak, Paul  
**Sent:** Monday, October 19, 2009 1:04 PM  
**To:** Bradbury, John  
**Subject:** RE: Can you send me your talking points for this afternoon's meeting

John,

Comment 1 - this is pretty much her same comment from last week. I have not had a chance to chase this down. She's right in that Bill/Keith will likely pick-up on this.

Comment 2 - language seems OK to me (constrain - to hold back, limit). How about we try this:

Excursions and Groundwater Quality

SMALL and temporary – Nichols Ranch based on its groundwater chemical composition that generally does not permit the use of the groundwater for drinking water, agriculture or livestock use; inward hydraulic control; monitoring, and geochemistry of formation.

Note: I took the language she didn't like right from the draft. You may want to edit the draft based on how this comment ends up.

Paul Michalak  
Acting Technical Assistant  
NRO/DSER  
U.S Nuclear Regulatory Commission  
301-415-7612

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**From:** Kock, Andrea  
**Sent:** Monday, October 19, 2009 12:26 PM  
**To:** Bradbury, John  
**Cc:** Park, James; Michalak, Paul; Ford, William  
**Subject:** RE: Can you send me your talking points for this afternoon's meeting

D/49

Can you clarify a few things for me. See attached comments.

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**From:** Bradbury, John  
**Sent:** Monday, October 19, 2009 11:57 AM  
**To:** Kock, Andrea  
**Subject:** RE: Can you send me your talking points for this afternoon's meeting

Thanks Andrea. See attached.  
John

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**From:** Kock, Andrea  
**Sent:** Monday, October 19, 2009 7:52 AM  
**To:** Fetter, Allen; Bradbury, John  
**Cc:** Michalak, Paul; Park, James  
**Subject:** Can you send me your talking points for this afternoon's meeting

Can you send me your talking points for this afternoon's meeting on groundwater impacts at hank and lost . if you can send before noon so I can look at them and give you any reactions, that would be best.

Thanks

Andrea Kock, Chief, Environmental Review Branch  
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