

Approved Minutes of the Technical Advisory Committee Meeting  
July 29, 2014

**Attendees:** Roger Thompson Terry Shearer  
Ken White Craig Heindel  
Steve Revell Gunner McCain  
Chris Russo Ernie Christianson  
Claude Chevalier

**Scheduled meetings:**

August 26, 2014	1-4 PM	Winooski Con. Rm., National Life – Montpelier
September 23, 2014	1-4 PM	Winooski Con. Rm., National Life – Montpelier
October 14, 2014	1-4 PM	Winooski Con. Rm., National Life – Montpelier

**Agenda:**

No comments.

**Minutes:**

No comments.

**Rule Revisions:**

Ernie led a review of Subchapter 10. The group supported a change in table 10-1 of minimum distances between wells needed to avoid interference testing. The distance will be reduced from 200 feet to 100 feet for wells providing less than 2 GPM. Ernie will review the minutes of earlier meetings and may propose reducing the distance for wells providing more than 2 GPM but less than 5 GPM from 500 feet to 300 feet because the jump from 100 feet to 500 feet seems excessive.

Craig asked if more than one well serving one use can be protected under the rules. Gunner said that there is existing guidance on this topic that allows for protection of two existing wells but that when a new second well is constructed only that well is protected. This issue has been reviewed in the past with a goal of protecting the wells needed to support a particular use without allowing for protection of wells that are unneeded and serve only to restrict others from constructing wastewater systems. The group said that the rules should include language dealing with this issue.

Access to septic tanks was also discussed. There are two concerns; access for pumping and maintenance and health issues. Septic tanks under porches that gradually turn into enclosed living space are a particular concern. The group recommended not allowing

septic tank installations under porches, decks, or other structures. Access to well locations are also of concern.

A note will be added to section 10-1007 that additional isolation distances may be required for large capacity water sources or wastewater systems.

Ken asked when specific well construction methods can be used to reduce isolation distances. Craig mentioned the so called “Colorado Rule” where vertical separation is given the same credit as horizontal separation. There are concerns about this approach because a site with fractured bedrock can have rapid groundwater flow within the bedrock. Craig said that sites with lacustrine or bottom sediments can provide protection against vertical flow. The existing description of an impeding layer which allows for a reduction in isolation distance was reviewed and supported by the group. Steve and Craig said that it would be more accurate to state that a gradational analysis should be used, rather than a sieve analysis, when the particles of concern are in the silt/clay range.

Ernie will work on the language in section 10-1008 related to the Secretary’s authority to increase or decrease isolation distances based on case specific factors.

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**Executive Committee:** Steve Revell, Ernest Christianson, Roger Thompson

Alternates – Chris Thompson, Spencer Harris, Claude Chevalier, Craig Heindel

**Subcommittees:**

**Hydrogeology**

Craig Heindel, Bill Zabiloski, Mark Bannon, Scott Stewart, Steve Revell, Mary Clark, Roger Thompson, Peter Boemig, Ernie Christianson, Spencer Harris

**UIC Rules**

Craig Heindel, Steve Revell, Roger Thompson, Ernie Christianson, Scott Stewart, Rodney Pingree, Kim Greenwood, Cindy Parks, John Beauchamp, Gail Center

**Wastewater Strength**

Mary Clark, Cindy Parks, Peter Boemig, Bill Zabiloski, Roger Thompson, John Akielaszek,

**Bottomless Sand Filters**

Peter Boemig, Mark Bannon, Cindy Parks, Mary Clark, Denise Johnson-Terk, Craig Heindel, Ernie Christianson

**Seasonal High Water Table Monitoring**

Craig Heindel, Steve Revell, Roger Thompson, Ernie Christianson, Bill Zabiloski, Dan Wilcox, Mary Clark