Approved Minutes of the Technical Advisory Committee Meeting
October 14, 2014

Attendees:	Roger Thompson	Steve Revell
	Peter Boemig	Rodney Pingree
	Darlene Autery	Anne Whiteley
	Carl Fuller	Ernie Christianson
	Gail Center	Tim Raymond
	Scott Stewart	Ken White
	Kim Greenwood	Craig Heindel
	Mary Clark	Claude Chevalier

Scheduled meetings:

November 20, 2014	1-4 PM	Perry Merrill Con. Rm., National Life – Montpelier
December 16, 2014	1-4 PM	Winooski Con. Rm., National Life – Montpelier
January 13, 2014	1-4 PM	Winooski Con. Rm., National Life – Montpelier

Minutes:

The minutes were accepted as drafted.

Meeting Schedule:

The next meetings were scheduled for:

November 20, 2014 (note that this is a Thursday)

December 16, 2014

January 13, 2015

Design Flow Discussion:

Ernie reviewed the design flows proposed in the draft rules and discussed some possible changes under discussion with the Water Supply Section. Ernie introduced Tim Raymond from the Water Supply Section. Tim and Ernie discussed design flows for residential buildings and the difference in calculations for Public Water Systems as compared to Potable Water Systems. Ernie discussed a concept of using 60 GPD per person (120 GPD per bedroom) for the first 3 bedrooms in a living unit. Additional bedrooms could use a design flow of 60 GPD per bedroom unless the owner/designer believes a higher flow should be used to allow for higher occupancy rates. Tim said that in reviewing information from several Public Water Systems the average flows per living unit ranged from about 180 GPD to about 210 GPD. This information was based on metered flow

readings and a peaking rate of 1.5 is using to ensure that the water system can meet the instantaneous peak demands that occur.

Ernie will create and circulate a spreadsheet that compares the existing design flows with his proposed design flows.

Roger asked if the leachfield loading rates should be revised to ensure that the organic loading rates do not exceed the soil capacity. Steve said that he was concerned about making changes that grant a reduction in one area and then imposes an increase in another area offsetting any gains.

Hydrofracturing and Deepening of Wells:

Ernie also reviewed the portion of the Rules dealing with hydrofracturing and deepening of wells. Ernie asked if hydrofracturing or deepening an existing well should require a permit. The group agreed that if the hydrofracturing or deepening was used as a basis of an increase in design flow a permit would be required. The group was not as certain if the hydrofracturing was used to restore the flow to an existing well for an existing use. Wells permitted under the current Rules do not need a permit because hydrofracturing or deepening by itself does not affect the permitting requirements. There was some concern about older wells that might require analysis for an impact on a close by neighboring well under the current rules. Craig and Scott suggested that a permit should be required for systems requiring well yields of more than 5 GPM. Kim said that this might come up as part of the development of the implementation of the public trust policy for groundwater. Language addressing hydrofracturing and deepening of wells serving buildings or structures or campgrounds other than single family residences will be drafted and distributed to the TAC.

Other Topics:

The definition of long term yield was discussed and the group agreed that a clear definition was needed. Also needed is a final decision about if and how overflowing wells will be regulated. This topic has been discussed by the TAC but the Agency has not made a final decision.

The section on groundwater monitoring and interpretation of the results still needs to be finalized.

The group also discussed whether projects with high strength wastewater should be limited to Class 1 (Professional Engineers) Designers and decided this would be a reasonable decision.

The basal area requirements for mound systems was reviewed. Ernie will consider if the requirement is needed if the design basis includes a linear loading rate.

Next meeting:

Ernie will circulate an updated version of the rules which he hopes will be very close to being ready for the beginning of the rule adoption process.

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

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