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August 13, 2008

To: Technical Review Committee members

From: Scott A. Uhlich, Secretary

Re: Minutes of the 28th TRC meeting held August 12, 2008.

The 28<sup>th</sup> TRC meeting was held at the DHR Training Center in the Riverside Corporate Center on Riverside Drive, Macon, GA. on August 12, 2008. Scott Uhlich called the meeting to order at 10:00 AM.

Members in Attendance: Bill Fortune, P.E., Bill Durham, Phil Freshley, Scott Uhlich, George McClure, Dr. Mark Risse, Mike Fugate, P.E., Thomas Bowden, Ernie Earn and Mark Harden.

Guests: Chris Kumnick, Greg Harless, Sharon Steiner, Todd Harper, Judy Fortune, Bron Bradley and Dewey Conrad.

Order of Business:

1. Call to Order
2. Review of minutes from the 27<sup>th</sup> TRC meeting. Motion to approve made by Ernie Earn. Minutes approved.
3. New Members: Mr. Uhlich introduced the new members, Dr. Risse and Mike Fugate, P.E., to the committee members.
4. Standards sub-committee membership: Scott Uhlich recommended the addition of Dr. Radcliff, UGA professor, to the standards sub-committee. Dr. Radcliff is conducting a research project on on-site sewage management systems at the UGA Griffin campus. Dr. Radcliff brings expertise in soil hydraulics and modeling to the sub-committee. Scott Uhlich requested that Chris Kumnick be added to the standards sub-committee to replace himself as the department representative. Recommendations approved. New members, Mike Fugate and Dr. Risse were invited to participate on the sub-committee.
5. Election of officers: Motion to nominate Dr. Lawton Davis as Chairperson and Phil Freshley as Vice-chairperson by George McClure. Scott Uhlich to serve as Secretary as required by by-laws. Motion approved.
6. New Business:  
National Sanitation Foundation International (NSF) Standard 46: Scott Uhlich reviewed with the committee members Filter Requirements for Residential Gravity Flow Septic Tank Systems. The TRC had adopted ANSI/NSF Standard 46 as the compliance criteria for filter approval in the State. NSF has recently adopted new ANSI/NSF Standard 46 criteria for residential gravity flow filters. The language

contained in the Department's Manual for On-Site Sewage Management Systems requires filters to be in compliance with the most current standards. The TRC members affirmed the requirement that filters approved for use must meet the most current ANSI/NSF Standard 46.

NSF Standard 245: The National Sanitation foundation recently established ANSI/NSF Standard 245 which establishes testing criteria for nitrogen reduction systems. Sharon Steiner, NSF representative, discussed the testing program and criteria used by NSF. NSF Standard 245 centers on treatment systems of 1500 gallons/day or less reducing nitrogen levels by 50%. Phil Freshley asked about design built nitrogen reduction systems. Discussion about alternative approved testing options similar to Aerobic Treatment Systems. Discussion regarding review of technology greater than 1500 gpd. Committee requested the Department draft language to incorporate approval of nitrogen reduction technology into the Department's Manual.

#### Old Business:

Scott Uhlich informed the committee of on going maintenance problems associated with AquaKlear aerobic treatment units. Problems are being identified in the Valdosta Health District and continue to be evaluated. The committee re-affirmed that regularly scheduled maintenance of the unit is required to be provided by the manufacturer for the first three years at no cost to the owner/resident. Failure to provide the required maintenance will result in suspension of the product approval.

#### Motion to Adjourn: