

Notice of Meeting/Workshop Hearing

DEPARTMENT OF HEALTH
Division of Environmental Health

RULE NO: RULE TITLE

64E-6.016: U.S. Department of Agriculture Soil Textural Classification System

The Department of Health announces a telephone conference call to which all persons are invited.

DATE AND TIME: September 14, 2015 at 4:00 p.m. Eastern Time

PLACE: Conference call meeting

Teleconference Phone Number: 888-670-3525

At the prompt, enter the

Participant Code: 2980 214 500

GENERAL SUBJECT MATTER TO BE CONSIDERED: The Technical Review and Advisory Panel will discuss a proposal to repeal Rule 64E-6.016, Florida Administrative Code.

A copy of the agenda may be obtained by contacting: Dale Holcomb, Department of Health, Bureau of Environmental Health, 4052 Bald Cypress Way, Bin # A08, Tallahassee, Florida 32399-1710.

Pursuant to the provisions of the Americans with Disabilities Act, any person requiring special accommodations to participate in this workshop/meeting is asked to advise the agency at least 7 days before the workshop/meeting by contacting: Dale Holcomb, Department of Health, Bureau of Environmental Health, 4052 Bald Cypress Way, Bin # A08, Tallahassee, Florida 32399-1710. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1(800)955-8771 (TDD) or 1(800)955-8770 (Voice).

If any person decides to appeal any decision made by the Panel with respect to any matter considered at this meeting or hearing, he/she will need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence from which the appeal is to be issued.

For more information, you may contact: Dale Holcomb, Department of Health, Bureau of Environmental Health, 4052 Bald Cypress Way, Bin # A08, Tallahassee, Florida 32399-1710.

Uploaded to Department of State on 8/26/2015, published on 8/27/2015

TECHNICAL REVIEW AND ADVISORY PANEL
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS
ADVISORY TO THE DEPARTMENT OF HEALTH
AUTHORITY: SECTION 381.0068, FLORIDA STATUTES

TECHNICAL REVIEW AND ADVISORY PANEL (TRAP) MEETING

DATE: Monday, September 14, 2015
TIME: 4:00 p.m. Eastern Time
PLACE: Conference call meeting
Teleconference Phone Number: 888-670-3525
At the prompt, enter the Participant Code: 2980 214 500

THIS MEETING IS OPEN TO THE PUBLIC.

Agenda

1. Introductions
2. Review minutes of November 6, 2014 meeting
3. Review minutes of August 20, 2015 meeting
4. Old Business
 - Rule Issues
 - 15-01 REPEAL 64E-6.016 USDA Soil Textural Classification
5. New Business
6. Other items of interest to the Technical Review and Advisory Panel
7. Public Comment

Scott Johnson
PROFESSIONAL ENGINEER

Pam Tucker
REAL ESTATE INDUSTRY

Martin Guffey
SEPTIC TANK INDUSTRY

Robert Baker
SEPTIC TANK MANUFACTURER

Glenn Bryant
COUNTY HEALTH DEPARTMENT

Russ Melling
CONSUMER

Scott Franz
SOIL SCIENTIST

Sonia Cruz
ENVIRONMENTAL HEALTH

Victor Godlewski
LOCAL GOVERNMENT

Ken Odom, Chair
HOME BUILDING INDUSTRY

Roy Pence, Vice Chair
HOME BUILDING INDUSTRY

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AUTHORITY: SECTION 381.0068, FLORIDA STATUTES

TECHNICAL REVIEW AND ADVISORY PANEL (TRAP) MEETING MINUTES

DATE: Thursday, November 6, 2014
PLACE: Teleconference

Members present were:

Glenn Bryant, *County Health Department*
Scott Franz, *Soil Scientist*
Vic Godlewski, *Local Government*
Russ Melling, *Consumer Representative*
Ken Odom, *Home Building Industry, Chair*
Roy Pence, *Home Building Industry, Vice Chair*
Pamela Tucker, *Real Estate Professional*
Sonia Cruz, *Environmental Health*

Alternate members present:

Ron Davenport, *Septic Tank Manufacturer*
Johanna Whelan, *County Health Department*

Department of Health staff present:

Gerald Briggs, *Environmental Administrator, Water and Onsite Sewage Programs*
Bart Harriss, *Environmental Manager*
Dale Holcomb, *Environmental Administrator*
Eberhard Roeder, *Professional Engineer III*
Elke Ursin, *Environmental Health Program Consultant*
Marcelo Blanco, *Environmental Consultant*

Absent members and alternates:

Robert Baker, *Septic Tank Manufacturer*
Mark Cotton, *Home Building Industry*
Edward Cordova, *Local Government*
Wayne Crotty, *Septic Tank Industry*
Martin Guffey, *Septic Tank Industry*
Mary Howard, *Environmental Health*
Scott Johnson, *Florida Engineering Society*
Tony Macaluso, *Real Estate Professional*
Clay Tappin, *Florida Engineering Society*
Oren Reedy, *Soil Scientist*

Others present:

Eric Anderson, *Anderson Rentals*
Winston Anderson
Adam Blalock, *Attorney, House of
Representatives*

Dominique Buhot, *Green's Environmental
Services*
Dennis Lapin, *Lapin Services*
Veronica Saavedra, *Office of Policy and
Budget, Governor's Office*

Scott Johnson
PROFESSIONAL ENGINEER

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T E C H N I C A L R E V I E W A N D A D V I S O R Y P A N E L
O N S I T E S E W A G E T R E A T M E N T A N D D I S P O S A L S Y S T E M S
A D V I S O R Y T O T H E D E P A R T M E N T O F H E A L T H
A U T H O R I T Y : S E C T I O N 3 8 1 . 0 0 6 8 , F L O R I D A S T A T U T E S

Andrea Sampson, *Coalition for Property Rights*

Derek Woodruff, *Brownie's Septic*

1. I N T R O D U C T I O N S

Chairman Odom called the meeting to order at 9:10 a.m. The TRAP members and alternates introduced themselves. Nine out of eleven groups were present, representing a quorum.

2. R E V I E W M I N U T E S O F L A S T M E E T I N G

The TRAP reviewed the minutes of the October 16, 2014 meeting.

On page 3 of 5, clarify that the 5th paragraph "several additional issues..." referred to lines 1326 to 1531 wherein several items were discussed in the absence of the issue sponsor and, as they were going to be readdressed at a later meeting, the details of the initial discussion were not included in the October 16 minutes. Lines 1654 and 1733 included changes that were not mentioned in the minutes. They were changes that were actually developed in the September 25 meeting but were mentioned in passing during the October 16 meeting. Page 4 of 5, Line 2257 should be 2157. Line 2163 "header lever" should be "header level". Paragraph 9 "ratification is" should be "ratification are".

MOTION by Pam Tucker and seconded by Sonia Cruz, for the TRAP to approve the minutes from the October 16, 2014 meeting as amended. All were in favor, none opposed, and the motion passed unanimously.

3. R U L E I S S U E S

14-01 Rule Reduction (continued from October 16, 2014)

Dale Holcomb introduced this section of the agenda and provided some background as to the reason behind this rule reduction exercise. The TRAP picked up from where they left off at the last meeting, Line 2618, and proceeded to comment and discuss by line item per the strikethrough version of the rule included in the meeting packet.

Some of the line items with discussion points included:

Line 2629: Regarding obstructions placed in violation of the original permit. Pam Tucker said that she has an issue with homeowners that inherit the problem. Roy Pence said that he thinks this language is too harsh and wants the language stricken. Dominique Buhot said that this requires communication between city/county/state governmental agencies, is not the homeowners fault, and is not consumer friendly. Gerald Briggs stated that the language asks the homeowner to do the best they can to address the issue but does not exempt them from violations to the rules. He said that homeowners could request a variance. Will Bryant stated that from a contractors point of view, it might be beneficial to have something to point out to the homeowner to have them move an obstruction that could impact the system. Russ Melling stated that the variance committee has experience with these types of issues.

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MOTION by Pam Tucker and seconded by Roy Pence, to strike the new language in lines 2629 and 2630 regarding obstructions placed in violation. The votes were Ken Odom, Pam Tucker, Scott Franz, Roy Pence, and Ron Davenport in FAVOR of the motion, and Glenn Bryant, Russ Melling, Sonia Cruz, and Vic Godlewski OPPOSED to the motion. The vote was five in favor, and four opposed, the motion PASSED.

Discussion suggestions included a streamlined variance process for repairs; maximizing available area; escalating number of variances

As the discussion concluded for section 64E-6.015 (Repairs), the Panel moved to 64E-6.0101 (Portable Restrooms and Holding Tanks) beginning on line 1326 to address the comments from Eric Anderson.

Line 1330-1331 Delete "Service persons shall carry proof of...neighboring counties"

Line 1447 Delete entire line "(c)...applicable."

Line 1351 Delete "All trucks....and labeled."

Line 1366 Discussion of logs. Discussion of deleting requirement for the portable restroom company [or septic tank pumping company to keep a log]. The discussion moved to Line 1359 and 1360 regarding deleting the quarterly reporting and the new language in 1359 and 1360 and replace it with a requirement to provide the information upon request.

Line 1387 Discussion of permitting stationary holding tanks did not result in change.

Line 1392 - 1393 Discussion of permanent portable restrooms requiring a permit did not result in a change. Make sure that "A construction permit shall be obtained." has grammar and punctuation.

Line 1404 One toilet for every 350 people is correct provided no fewer than two toilets are provided whenever more than 10 people are present. There are strong feelings to keep the original table.

Line 1422 Add "per 40-hour week or fraction thereof"

Line 1423 If we say that portable restrooms shall be services at least once per week in multiple places, eliminate the redundancy (line 1433 for example).

Line 1484 and 1485 Leave as is.

Line 1488 Change 250 to 125.

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Line 1489 Insert language that "(s) Holding tanks at special events shall be serviced daily."
Also, the special events may be pumped in the morning before day 2 rather than at the end of day 1...thus "daily" is not quite literal.

Line 1508 Move line 1508 to the end of line 1504 and change "storage compartment" to "storage tank".

Line 1211 Change to eliminate monthly logs, retain for 5 years, provide when requested.
Change to 3 year retention throughout (64E-6.010 and .0101) and supply within 30 days of request throughout rule.

MOTION: Change 5 year retention to 3 and allow 30 days to comply with records request and delete the quarterly reporting throughout the hauler log portions of the rules.
Made by Pam Tucker. Seconded by Scott Franz
PASSED Unanimously.

Dennis Lapin discussed "upon request" concept. The department responded that the department could review the records on the contractor's site and specify what records needed to be copied. We will draft language and invite Mr. Lapin to the next meeting.

After the diversion to 64E-6.0101, we returned to 64E-6.051 (Product Composition) Line 2657.

Line 3940 Discussion of language regarding provision of false and misleading information did not result in change.

Line 2153 Discussion of equal distribution language related to header pipes that Dale Holcomb and Ken Odom had traded back and forth in the prior week. After more discussion, the agreed language is:

"(2) Gravity flow header pipes shall have a smooth inner wall and a 4-inch minimum inside diameter, be non-perforated and soil tight, utilize corrugated or smooth wall fittings, be laid level with direct connections to each drainline and septic tank outlet pipe, be watertight in lift dosed systems, be supported with soil or mineral aggregate and meet one or more of the following requirements incorporated by reference: ASTM D 3034-98, ASTM D 2729-96, AASHTO M252M-96, ASTM F 405-97, ASTM F 810-99. The inlet pipe shall enter the header at the end or between the two innermost drainlines and shall be offset from any drainline inlet."

Chairman Odom requested that we go through the code and check for places where we used "drainline" and "drainfield" interchangeable.

Gerald Briggs thanked the TRAP members for working through the entire chapter during three marathon sessions.

T E C H N I C A L R E V I E W A N D A D V I S O R Y P A N E L
O N S I T E S E W A G E T R E A T M E N T A N D D I S P O S A L S Y S T E M S
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Chairman Odom brought a couple of additional change suggestions:

Line 311 Change definition to “Standard Subsurface Drainfield System - a drainfield with all portions of the sidewalls installed below the elevation of undisturbed native soil.”

Line 841 Discussion resulted in no change.

Lines 1611 and 1855 The department will figure out whether 65 pounds or 58 pounds is more correct and make both septic tanks and ATU standards agree.

Mr. Buhot thanked the group for the changes to the logging requirements.

Lines 1821-1824 Mr. Buhot recommend a vent rather than a T and recommend the 90 degree turn at the bottom of the outlet and if installed to have it face the sidewall rather than the inlet. DOH will research the issue in the literature and see if we should make a change to the rule.

Lines 1024 and 1026 Mr. Buhot recommended that instead of reducing the effective soil depth for drip irrigation to 24 from 42 inches, reduce it to 12 or 18 inches.

Lines 2418 and 2428 Regarding raising the water table separation from 6 to 12 inches, it is expensive but it does improve treatment. But requiring the removal of the spodic horizon in Pomello soil is unnecessary. Changing the suitable soil separation from 12 inches to 24 inches is excessively expensive.

Scott Franz offered that these were complex issues that there is not a good way to standardize language addressing spodic horizons. While he agrees with Mr. Buhot in general, it is not as simple as just changing the number.

Chairman Odom suggested that Mr. Franz and Mr. Buhot get together to come up with language to bring back to TRAP.

Scott suggested that we bring back sizing prior '83 and soil depth back to prior '72 (12”).

4. OTHER ITEMS OF INTEREST TO THE TECHNICAL REVIEW AND ADVISORY PANEL

TRAP discussed the best date and time for the next meeting and decided for it to be in December or January.

5. PUBLIC COMMENT

The public was permitted to comment throughout the meeting.

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MOTION by Scott Franz and seconded by Sonia Cruz, to adjourn. All were in favor, none opposed, and the motion passed unanimously.

The meeting adjourned at approximately 3:30 p.m.

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TECHNICAL REVIEW AND ADVISORY PANEL (TRAP) MEETING MINUTES

DATE: Thursday, August 20, 2015
PLACE: Teleconference

Members present were:

Scott Johnson, *Florida Engineering Society*
Glenn Bryant, *County Health Department*
Scott Franz, *Soil Scientist*
Robert Baker, *Septic Tank Manufacturer*
Ken Odom, *Home Building Industry, Chair*
Pamela Tucker, *Real Estate Professional*
Sonia Cruz, *Environmental Health*

Alternate members present:

Mary Howard, *Environmental Health*
Ron Davenport, *Septic Tank Manufacturer*
Clay Tappan, *Florida Engineering Society*

Department of Health staff present:

Ed Barranco, *Environmental Administrator*
Dale Holcomb, *Environmental Administrator*
Elke Ursin, *Environmental Health Program Consultant*
Ed Williams, *Environmental Health Program Consultant*

Absent members and alternates:

Russ Melling, *Consumer Representative*
Roy Pence, *Home Building Industry, Vice Chair*
Johanna Whelan, *County Health Department*
Vic Godlewski, *Local Government*
Mark Cotton, *Home Building Industry*
Edward Cordova, *Local Government*
Wayne Crotty, *Septic Tank Industry*
Martin Guffey, *Septic Tank Industry*
Tony Macaluso, *Real Estate Professional*
Oren Reedy, *Soil Scientist*

Others present:

None

1. INTRODUCTIONS

Chairman Odom called the meeting to order at 3:00 p.m. The TRAP members and alternates introduced themselves. Seven out of eleven groups were present, representing a quorum.

Scott Johnson <i>PROFESSIONAL ENGINEER</i>	Pam Tucker <i>REAL ESTATE INDUSTRY</i>	Martin Guffey <i>SEPTIC TANK INDUSTRY</i>	Robert Baker <i>SEPTIC TANK MANUFACTURER</i>
Glenn Bryant <i>COUNTY HEALTH DEPARTMENT</i>	Russ Melling <i>CONSUMER</i>	Scott Franz <i>SOIL SCIENTIST</i>	Sonia Cruz <i>ENVIRONMENTAL HEALTH</i>
Victor Godlewski <i>LOCAL GOVERNMENT</i>	Ken Odom, Chair <i>HOME BUILDING INDUSTRY</i>	Roy Pence, Vice Chair <i>HOME BUILDING INDUSTRY</i>	

T E C H N I C A L R E V I E W A N D A D V I S O R Y P A N E L
O N S I T E S E W A G E T R E A T M E N T A N D D I S P O S A L S Y S T E M S
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A U T H O R I T Y : S E C T I O N 3 8 1 . 0 0 6 8 , F L O R I D A S T A T U T E S

2. R E V I E W M I N U T E S O F L A S T M E E T I N G

None

3. R U L E I S S U E S

15-01 Rule Reduction: Repeal of 64E-6.016 – USDA Soil Textural Classification

Dale Holcomb introduced this section of the agenda and provided some background as to the reason behind the rule reduction exercise and the rule issue to be discussed. The rule-reduction initiative is to reduce the rule length by 15%. The issue (15-01) to be repealed is located in the rule as information only, it does not change the standards, and it is available elsewhere in an already referenced source.

As the Soil Scientist representative, Scott Franz, was asked his opinion by the panel. Scott supported repealing the language.

MOTION by Scott Johnson and seconded by Pam Tucker, to repeal 64E-6.016. All were in favor, none opposed, and the motion passed unanimously.

4. O T H E R I T E M S O F I N T E R E S T T O T H E T E C H N I C A L R E V I E W A N D A D V I S O R Y P A N E L

Membership terms will expire at the end October. Dale Holcomb described the new department policy regarding boards/committees (application process) and will send notifications to the organizations representing the TRAP.

Issue 15-01 will be presented to the Onsite Sewage Treatment and Disposal System Variance Review and Advisory Committee at the September 3, 2015 meeting for comments.

Dale Holcomb gave a brief preview of upcoming issues for the TRAP to consider related to Nitrogen Reducing systems.

Dale Holcomb will email to the members to find a suitable date the week of September 14-18 for the next TRAP conference call meeting to finalize this issue.

Chairman Odom reminded the Panel that a new Chair and Vice-Chair will be chosen in October.

5. P U B L I C C O M M E N T

No public comment was offered.

Motion by Scott Johnson and seconded by Pam Tucker, to adjourn. All were in favor, none opposed, and the motion passed unanimously.

The meeting adjourned at approximately 3:30 p.m.

15-01 ISSUE FOR TECHNICAL REVIEW AND ADVISORY PANEL CONSIDERATION

Next Trap Meeting: 9/14/2015

Printed 9/9/2015 9:05:35 AM

Subject: REPEAL USDA Soil Textural Classification

Rule Sections: 64E-6.016

Issue: The language is the standard USDA Soil Classification readily available from numerous sources. The language is found in Chapter 3 of the Soil Survey Manual, Handbook 18, 1993, already incorporated by reference into 64E-6.004(3)(c), FAC

Issue Originated By: Dale Holcomb, DOH

Purpose and Effect The proposed changes repeal 64E-6.016 USDA Soil Textural Classification but has no practical effect on the rule as the classification system is incorporated by reference in 64E-6.004(3)(c), FAC.

Proposed Rule Change: 15-01--64E-6.016_USDA Soil Classification REPEAL.doc (See Attached)

Summary: Repeals 64E-6.016, FAC

Possible Financial Impacts: none

Date New: 7/29/2015

Initially Reviewed by Trap: 8/20/2015

Tabled by Trap:

Trap Review Finished: 8/20/2015

Variance Committee Reviewed: 9/3/2015

Trap Review Variance Comments:

Trap Final Decision:

Final Outcome:

Comments: 8/20/15 TRAP approved to go to Variance Committee.
9/3/2015 Variance committee met and offered the following comments: ENG - Approve; STI - I have no problem; REI - If wiping out this rule does nothing, why did the TRAP committee, the Variance Board, and the Dept. of Health waste their time with it? Makes no sense. Please make me understand. Was the intent to totally do away with the rule in all regulations? Please Explain. Explained at meeting.; DEP - No Comment; CHD - I support the reduction in the number of lines in the rule. However I would like to see only the definition lines of 64E-6.016(3) removed. In my opinion this information is used infrequently in daily operations. The classification and characteristics sections of 64E-6.016(1) & (2) is used frequently in daily operations by the Health Department and OSTDS industry. While the information exists in other areas and references I feel it is beneficial to keep it all in one place.; SHO - The language has been placed in the FDOH Basic Soils Manual.

64E-6.016 U.S. Department of Agriculture Soil Textural Classification System. (Repealed)

(1) Soil texture is a term commonly used to designate the proportionate distribution of different sized mineral particles in a soil material. The three basic sizes of soil mineral particles are the sand size, the silt size and the clay size. The sand size class is subdivided further into the subclasses of very coarse sand, coarse sand, medium sand, fine sand, and very fine sand. Individual particles, based on their size, are grouped into separates. These soil separates are classified by size into the groupings shown below:

Separate	Diameter
	Limit In Millimeters
Very coarse sand	2.00-1.00
Coarse sand	1.00-.50
Medium sand	.50-.25
Fine sand	.25-.10
Very fine sand	.10-.05
Silt	.05-.002
Clay	less than .002

(2) Florida's major soil texture classifications and some of the characteristics which can be utilized in the field for identification of these soil texture groups is accomplished primarily by rubbing moist samples of soil material between the fingers and observing how the material feels.

(a) Sand—Sand feels extremely gritty and does not form a ribbon or ball when wet or moist. A sand is loose and single grained. The individual grains can readily be seen or felt.

(b) Loamy sand—Loamy sand feels extremely gritty and forms a weak ball that cannot be handled without breaking.

(c) Sandy loam—A sandy loam feels extremely gritty and slightly sticky. When moist, it forms a cast that will bear careful handling without breaking.

(d) Loam—A loam feels somewhat gritty, yet fairly smooth and slightly plastic. When moist, it forms a cast that may be handled quite freely without breaking. Loam forms only short ribbons about 0.25 inch to 0.50 inches in length. This soil texture is not common in Florida soils.

(e) Silt loam—Silt loam lacks grittiness and feels extremely floury when moist or dry. When dry it may appear cloddy but the lumps can be readily broken. When moist it will form casts that can be freely handled without breaking. It will not form a ribbon but will give a broken appearance. This soil texture is not common in Florida soils.

(f) Silt—Silt lacks grittiness and feels extremely floury when moist or dry. It will not ribbon and forms a weak ball that will tolerate careful handling without breaking. This soil texture is extremely rare in Florida soils.

(g) Sandy clay loam—Sandy clay loam feels very gritty and sticky. When moist it forms a firm ball and may form a ribbon of one to two inches before it breaks.

(h) Clay loam—A clay loam feels very sticky with little or no grittiness. When moist it will form a ribbon that is about one to two inches long. The moist soil is plastic and will form a cast or ball that will bear much handling. When kneaded in the hand it does not crumble readily but tends to work into a heavy compact mass.

(i) Sandy clay—Sandy clay feels extremely sticky and very gritty. When moist and forms a firm ball and produces a ribbon that is over two inches in length before breaking.

(j) Silty clay—Silty clay feels both plastic and extremely sticky when moist and lacks any gritty feeling. It forms a firm ball and readily ribbons to over two inches in length before it breaks. This soil texture is not common in Florida soils.

(k) Clay—A clay feels extremely sticky and is neither gritty nor floury. When moist it forms a ribbon over two inches in length before breaking. It will form a hard ball or cast which will not break when handled.

(l) Organic soils—Muck, peat, and mucky peat are used in place of textural class names in organic soils. Muck is well decomposed organic soil material; peat consists of raw undecomposed organic soil material; and mucky peat designates materials intermediate in decomposition between muck and peat.

(3) Definitions of the soil texture classes according to distribution of size classes of mineral particles less than 2 millimeters in diameter are as follows:

(a) Sands—85 percent or more sand and the percentage of silt plus 1 1/2 times the percentage of clay is 15 or less.

1. Coarse sand—25 percent or more very coarse and coarse sand and less than 50 percent any other single grade of sand.

2. Sand—25 percent or more very coarse, coarse and medium sand, but less than 25 percent very coarse and coarse sand, and less than 50 percent either fine sand or very fine sand.

3. Fine sand—50 percent or more fine sand; or less than 25 percent very coarse, coarse, and medium sand and less than 50 percent very fine sand.

4. Very fine sand—50 percent or more very fine sand.

(b) Loamy sands—At the upper limit 85 to 90 percent sand and the percentage of silt plus 1 1/2 times the percentage of clay is 15 or more; at the lower limit 70 to 85 percent sand and the percentage of silt plus twice the percentage of clay is 30 or

less.

1. Loamy coarse sand—25 percent or more very coarse and coarse sand and less than 50 percent any other single grade of sand.

2. Loamy sand—25 percent or more very coarse, coarse, and medium sand and less than 50 percent either fine sand or very fine sand.

3. Loamy fine sand—50 percent or more fine sand; or less than 50 percent very fine sand and less than 25 percent very coarse, coarse, and medium sand.

4. Loamy very fine sand—50 percent or more very fine sand.

(e) Sandy loams—20 percent or less clay and 52 percent or more sand and the percentage of silt plus twice the percentage of clay exceeds 30; or less than 7 percent clay, less than 50 percent silt, and between 43 and 52 percent sand.

1. Coarse sandy loam—25 percent or more very coarse and coarse sand and less than 50 percent any other single grade of sand.

2. Sandy loam—30 percent or more very coarse, coarse, and medium sand, but less than 25 percent very coarse and coarse sand, and less than 30 percent either fine sand or very fine sand.

3. Fine sandy loam—30 percent or more fine sand and less than 30 percent very fine sand; or between 15 and 30 percent very coarse, coarse, and medium sand; or more than 40 percent fine and very fine sand, at least half of which is fine sand, and less than 15 percent very coarse, coarse, and medium sand.

4. Very fine sandy loam—30 percent or more very fine sand; or more than 40 percent fine and very fine sand, at least half of which is very fine sand, and less than 15 percent very coarse, coarse, and medium sand.

(d) Loam—7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand.

(e) Silt loam—50 percent or more silt and 12 to 27 percent clay; or 50 to 80 percent silt and less than 12 percent clay.

(f) Silt—80 percent or more silt and less than 12 percent clay.

(g) Sandy clay loam—20 to 35 percent clay, less than 28 percent silt, and 45 percent or more sand.

(h) Clay loam—27 to 40 percent clay and 20 to 45 percent sand.

(i) Silty clay loam—27 to 40 percent clay and less than 20 percent sand.

(j) Sandy clay—35 percent or more clay and 45 percent or more sand.

(k) Silty clay—40 percent or more clay and 40 percent or more silt.

(l) Clay—40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Rulemaking Authority 381.0011(4), (13), 381.0065(3)(a) FS. Law Implemented 381.0065, 381.00655 FS. History—New 12-22-82, Amended 2-5-85, Formerly 10D-6.58, Amended 3-17-92, 1-3-95, Formerly 10D-6.058, Repealed.

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TECHNICAL REVIEW AND ADVISORY PANEL (TRAP) MEETING MINUTES

DATE: Monday, September 14, 2015
PLACE: Teleconference

Members present were:

Scott Johnson, *Florida Engineering Society*
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Roy Pence, *Home Building Industry, Vice Chair*
Ken Odom, *Home Building Industry, Chair*
Pamela Tucker, *Real Estate Professional*
Sonia Cruz, *Environmental Health*

Alternate members present:

Ron Davenport, *Septic Tank Manufacturer*
Oren Reedy, *Soil Scientist*

Department of Health staff present:

Ed Barranco, *Environmental Administrator*
Dale Holcomb, *Environmental Administrator*
Elke Ursin, *Environmental Health Program Consultant*
Ed Williams, *Environmental Health Program Consultant*
Eberhard Roeder, *Engineer*

Absent members and alternates:

Russ Melling, *Consumer Representative*
Clay Tappan, *Florida Engineering Society*
Johanna Whelan, *County Health Department*
Vic Godlewski, *Local Government*
Mark Cotton, *Home Building Industry*
Edward Cordova, *Local Government*
Wayne Crotty, *Septic Tank Industry*
Martin Guffey, *Septic Tank Industry*
Tony Macaluso, *Real Estate Professional*
Mary Howard, *Environmental Health*
Scott Franz, *Soil Scientist*
Robert Baker, *Septic Tank Manufacturer*

Others present:

None

Scott Johnson <i>PROFESSIONAL ENGINEER</i>	Pam Tucker <i>REAL ESTATE INDUSTRY</i>	Martin Guffey <i>SEPTIC TANK INDUSTRY</i>	Robert Baker <i>SEPTIC TANK MANUFACTURER</i>
Glenn Bryant <i>COUNTY HEALTH DEPARTMENT</i>	Russ Melling <i>CONSUMER</i>	Scott Franz <i>SOIL SCIENTIST</i>	Sonia Cruz <i>ENVIRONMENTAL HEALTH</i>
Victor Godlewski <i>LOCAL GOVERNMENT</i>	Ken Odom, Chair <i>HOME BUILDING INDUSTRY</i>	Roy Pence, Vice Chair <i>HOME BUILDING INDUSTRY</i>	

1. INTRODUCTIONS

Chairman Odom called the meeting to order at 4:00 p.m. The TRAP members and alternates introduced themselves. Nine out of eleven groups were present, representing a quorum.

2. REVIEW MINUTES OF LAST MEETING

The TRAP reviewed the minutes of the November 6, 2014 meeting.

MOTION by Russ Melling and seconded by Pam Tucker, for the TRAP to approve the minutes from the November 6, 2014 meeting. All were in favor, none opposed, and the motion passed unanimously.

The TRAP reviewed the minutes of the August 20, 2015 meeting.

MOTION by Scott Johnson and seconded by Glenn Bryant, for the TRAP to approve the minutes from the August 20, 2015 meeting. All were in favor, none opposed, and the motion passed unanimously.

3. RULE ISSUES

15-01 Rule Reduction: Repeal of 64E-6.016 – USDA Soil Textural Classification

At the previous meeting the TRAP approved the issue to go to the Variance Review and Advisory Committee for comment. The comments from the Variance Committee were presented and reviewed by the TRAP.

MOTION by Scott Johnson and seconded by Oren Reedy, to repeal 64E-6.016. All were in favor, none opposed, and the motion passed unanimously.

4. OTHER ITEMS OF INTEREST TO THE TECHNICAL REVIEW AND ADVISORY PANEL

None

5. PUBLIC COMMENT

No public comment was offered.

MOTION by Roy Pence and seconded by Pam Tucker, to adjourn. All were in favor, none opposed, and the motion passed unanimously.

The meeting adjourned at approximately 3:45 p.m.