



Charlie Crist
Governor

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State Surgeon General

INTEROFFICE MEMORANDUM

INFORMATION
HSES 10-002

DATE: March 30, 2010

TO: County Health Department Directors/Administrators
ATTN: Environmental Health and Engineering Directors

THROUGH: Lisa Conti, D.V.M., M.P.H., Dipl. ACVPM, CEHP
Director, Division of Environmental Health

FROM: Gerald Briggs, Chief
Bureau of Onsite Sewage Programs

SUBJECT: Tanks in Traffic Areas

The purpose of this memorandum is to clarify 64E-6 rule requirements in regard to the installation of tanks in traffic areas.

64E-6.005(2)(a) Sidewalks, decks and patios shall not be subject to the 5 foot setback; however, drainfields shall not be installed beneath such structures. Any tank located beneath a driveway **shall have traffic lids as specified in Rule 64E-6.013(1)(h)**. Concrete structures which are intended to be placed over a septic tank shall have a barrier of soil or plastic material placed between the structure and the tank so as to preclude adhesion of the structure to the tank.

Please note that the reference to 6.013(1)(h) should have been updated to the reference below.

64E-6.013(1)(f) Receptacles and receptacle lids for traffic installations shall be designed, signed and sealed by an engineer licensed in the state of Florida. Whenever vehicular traffic is anticipated to cross over the receptacle, traffic lids shall be installed with manhole covers to finished grade. Traffic receptacles and lids shall be designed in accordance with ASTM C 890-91 (Reapproved 1999), Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures, herein incorporated by reference, **for the appropriate loading**. Application of paragraph 5.2.4 of ASTM C 890-91 (Reapproved 1999), shall be at the discretion of the design engineer.



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The referenced ASTM standard provides a series of loading rates:

A-16 (HS20-44)	16,000 lbf per wheel	heavy traffic
A-12 (HS15-44)	12,000 lbf per wheel	medium traffic
A-8 (H10-44)	8,000 lbf per wheel	light traffic

After discussion with our engineer, Paul Booher, our position is that tanks placed below residential driveways must be designed for at least H10-44. An approved traffic lid on a category 4 tank would meet this requirement.

In traffic areas in commercial settings, an HS20-44 tank is required. Please note that the entire tank must be engineer-designed to meet the ASTM standard – not just the lid. While HS20-44 tanks are currently identified in the remarks in our approved tank listing, we are posting a separate listing for approved HS20-44 tanks on our website – www.MyFloridaEH.com.

The ASTM standard was adopted by reference in 64E-6 in 2000. Please ensure that contractors and applicants in your jurisdiction are aware of this standard. If there are any questions please contact our engineer, Paul Booher, at 352-955-2159.

GRB/sk