

MEMORANDUM

Date: August 15, 2018

To: Environmental Health Managers
District Health Directors

From: Douglas F. Canody, PE, Technical Services Engineer
Office of Environmental Health Services

Subject: Approval for listing of Rotoplas HDPE 750, 1,000 and 1,500 gallon two compartment septic tanks as Approved Wastewater System Components

Rotoplas USA submitted the following information in support of listing certain high density polyethylene (HDPE) septic tanks it manufactures as Approved Wastewater System Components by the Virginia Department of Health.

1. Drawings of each of the tank models proposed for listing including;
 - a. 750 gallon – two-compartment septic tank
 - b. 1,000 gallon – two compartment septic tank
 - c. 1,500 gallon – two-compartment septic tank

Effective volumes at the design water depth are equivalent to or greater than the nominal volumes listed above. These two compartment tanks will have approximately two-thirds of the total effective volume in the first compartment and one-third of the effective volume in the second (downstream) compartment.

2. Letter from Bennette D. Burks, PE, confirming compliance with IAMPO / ANSI standard Z1000-2013 in relation to the structural characteristics of the septic tanks. This correspondence notes the tanks were evaluated for a maximum burial depth of 3-feet.
3. IAMPO testing report dated February 1, 2018 and IAMPO Certificate of Listing with an effective date of April, 2018.
4. Rotoplas “Universal Technical Specifications” dated 12/20/17. In addition to the tank models listed above, these specifications address the 300 and 500 gallon septic tanks manufactured by Rotoplas. The 300 and 500 gallon tanks are not listed as Approved Wastewater System Components (septic tanks) by VDH as they are not compliant with the required volume provisions of 12VAC5-610-815. Septic Tank Design.
5. Rotoplas Septic Tank Installation Instructions

The submittal was assessed for compliance with the Sewage Handling and Disposal Regulations, sections 12VAC5-610-810, 815, and 820. *It should be noted that the inlet and outlet structures shown on the drawings are not compliant with the requirements of 12VAC5-610-815 Septic Tank Design with respect to the dimensions of the inlet and outlet structures above and below the waterline. These particular details must be addressed on a project specific basis.*

Based on the information provided, the VDH Office of Environmental Health Services has listed the products under Item 1 above, as “Approved Onsite Wastewater System Components” under the heading of “Septic Tanks” and may be accessed using the following link:

<http://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/onsite-sewage-system-septic-system-component-approvals/>

This approval is not an endorsement of these products by the Virginia Department of Health