

MEMORANDUM

Date: April 24, 2020

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 Polylok Rhino HDPE, 24 inch – 10 hole and 20 inch 8 hole distribution boxes as Approved Wastewater System Components

Polylok, Inc, of Wallingford, Connecticut has submitted the following information in support of listing certain high density polyethylene (HDPE) distribution box it manufactures as Approved Wastewater System Components by the Virginia Department of Health.

1. Manufacturer's information consisting of two pages, one entitled "Introducing the Polylok 24" inch 10 hole Rhino Box" and the other entitled "Polylok 20 Round D-Boxes"
2. Drawings and information (4 pages) pertaining to each of the following Polylok models proposed for listing including;
 - a. Polylok 24-inch Level D-Box (Part No. 3017-24)
 - b. Polylok 24-inch Dome Cover (Part No. 3008-RC)
 - c. Polylok 24-inch Flat Cover (Part No 3008-West)
 - d. Polylok 24-inch HD Cover (Part No. 3008-HD)
 - e. Polylok 20-inch Level D-Box (Part No. 3017-20)
 - f. Polylok 20-inch Dome Cover (Part No. 3009-RC)
 - g. Polylok 20-inch Flat Cover (Part No 3017-C20)
3. Description of structural testing procedures - as provided by Polylok Inc. - for the 20 inch box and 20 and 24 inch covers as described on letters (2 pages) signed by Charles Brix, Vice President of Design and Engineering, Polylok, Inc.
4. Sheet (1 page) listing Polylok "Cover and Grate Ratings" as claimed by Polylok, Inc. The items proposed by Polylok Inc. for listing as "Approved Wastewater System Components" are highlighted in yellow or are marked with an asterisk (*) on this sheet.
5. Letter (1 page) detailing installation procedures for the Polylok 20 inch and 24 inch distribution boxes, dated April 15, 2020 signed by Charles Brix of Polylok, Inc.

The submittal was assessed for compliance with the Commonwealth of Virginia *Sewage Handling and Disposal Regulations*, sections 12VAC5-610-930.C. Based on the information provided, the Virginia Department of Health has listed the products under Item 2 above as "Approved Onsite Wastewater System Components" under the heading of "Distribution Boxes". These listings may be accessed on the VDH webpage using the following link:
<http://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/onsite-sewage-system-septic-system-component-approvals/820>.

This approval for listing is conditioned on system designers addressing the items below on a project specific basis

Conditions of Approval – Polylok 24 inch (up to 10 pipe penetrations), and 20 inch (up to 8 pipe penetrations) Rhino Boxes and associated covers.

1. Adherence with all manufacturers’ requirements and recommendations for the configuration, installation and provision of appurtenances (seals, covers, etc.) is required unless otherwise specified by a Virginia licensed professional engineer.
2. The manufacturer’s specific limitations for the product are outlined in the April 15, 2020 document. In summary:
 - a. The Polylok-D boxes are not rated for vehicle traffic.
 - b. The maximum burial depth is four feet.
 - c. The bedding material shall be select gravel.
 - d. The minimum backfill requirements are select grade gravel, compacted in 6 inch lifts with a final lift of top soil.
 - e. Any time the installation is outside these conditions an engineer is to be consulted.
3. Adherence with the regulatory requirements of 12VAC5-610-930 C is required.
4. The drawings submitted with the approval for listing request - and posted online as part of the documentation with this general approval - indicate various options for the positioning and the relative elevations of the distribution box inlets and outlets. The boxes are manufactured with “blanks” to be cut and removed during installation to achieve the desired configuration. The penetrations shall meet the minimum criteria as stated in 12VAC5-910-930.C.2

This approval and listing of the subject wastewater system components is not an endorsement of these products by the Virginia Department of Health