

STATE OF NEW YORK DEPARTMENT OF HEALTH

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

December 22, 2003

Mr. Mark Jones, P.E.
Technical and Regulatory Manager
FRALO Plastech
One General Motors Drive
Syracuse, NY 13206

Re: Polyethylene Septic Tanks
FRALO Plastech

Dear Mr. Jones:

This letter is in reply to your request to approve the use of FRALO Plastech's ST-750, ST-1060, ST-1250, and ST-1500 polyethylene septic tanks in the State of New York. The New York State Department of Health (NYSDOH) does not "approve" proprietary products but does review products to determine conformance with standards set forth in 10 NYCRR Appendix 75-A, "Wastewater Treatment Standards - Individual Household Systems". These standards apply to residential wastewater treatment systems with design flow rates of less than 1,000 gallons per day (systems for which NYSDOH has regulatory oversight) and apply to new construction only. You may also wish to forward your request to Mr. Joseph DiMura of the New York State Department of Environmental Conservation (NYSDEC) regarding use of these tanks for non-residential, commercial, or larger systems.

The following evaluation is based upon the information provided by you via letter dated August 8, 2003, by telefax dated December 2, 2003, by telefax dated December 19, 2003, and per recent telephone conversations. The evaluation has been done with reference to 10 NYCRR Appendix 75-A Section 75-A.6, "Septic Tanks", which establishes minimum standards for septic tank construction and installation. Reference has also been made to explanatory notes in NYSDOH's Individual Residential Wastewater Treatment Systems Design Handbook, 1996.

ST-750

Tank ST-750 has a liquid capacity of 750 gallons. Section 75-A.6, Table 3, requires a minimum septic tank capacity of 1,000 gallons for one, two and three bedroom dwellings. Tank ST-750 does not meet this minimum requirement and therefore should not be used for new construction. You also requested (Note 6 to Attachment A) that the ST-750 tank be considered for use under Section 75-A.10(a), "Other Systems - Holding Tanks." This section specifies a minimum tank capacity of 1000 gallons; consequently ST-750 could not be used in conformance with this section. The ST-750 tank may, however, be used in series in a manner consistent with the requirements of Section 75-A.6(b)(2). For example, these could be used either in tandem for Table 3 design capacities of 1000 or 1250 gallons or as the second tank coupled with a larger tank for greater design capacities (see §75-A.6(b)(2)(ii)).

ST-1060, ST-1250, and ST-1500

Tanks ST-1060, ST-1250, and ST-1500 meet NYSDOH's septic tank standards and may be used in accordance with Appendix 75-A.6 for new residential construction subject to the conditions stated below.

All Tanks

Location (both vertical and horizontal) of the inlet and outlet ports, installation and dimensions of sanitary tees, and design/placement of compartment partitions should be done in accordance with the requirements of Sections 75-A.6(b)(1)(i), (ii), (v), (vi), (viii) and Sections 75-A.6(b)(2)(i), (ii), (iii), and (iv).

Based upon the information provided, it appears that the following inlet-outlet port configurations could be used in a manner consistent with the specifications of Section 75-A.6(b).

For ST-1060: end-end

For ST-1250: end-end, end-side

For ST-1500: end-end, end-side, side-opposite side, side-same side

Other configurations could be considered based upon submission of additional performance documentation with respect to effective length-effective width ratios.

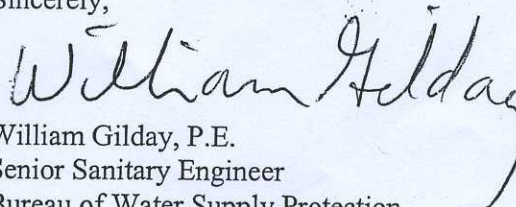
Some procedures in the "Installation Instructions" you submitted are not necessarily compatible with Section 75-A.6. Tank installation must be done in accordance with all applicable requirements of Appendix 75-A. You may wish to modify your installation instructions or develop a set of instructions specific to New York State.

Depending upon geographic location and jurisdiction, the use of proprietary products for OWTS may also be subject to the conditions and requirements of the NYSDEC, the Adirondack Park Agency, watershed protection rules and regulations, local health departments, and/or the local code enforcement officer. Local standards may be more stringent than those included in Appendix 75-A.

This is in no way intended to be, nor should it be construed as, an endorsement for your product. Your product was afforded a compliance determination review in accordance with NYSDOH's policy for new product reviews, using 10 NYCRR Appendix 75-A as the applicable regulation.

If you have any questions please call me at (518) 402-7676.

Sincerely,


William Gilday, P.E.
Senior Sanitary Engineer
Bureau of Water Supply Protection

cc: Mr. Burke
Mr. Jackson/Mr. Pierson
Mr. Meacham
Mr. DiMura (NYSDEC)

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Executive Deputy Commissioner

RECEIVED JUL 05 2005

June 29, 2005

Mr. Dan Delawyer
Product Manager
FRALO Plastech
One General Motors Drive
Syracuse, NY 13206

Re: Model ST-1000 E Septic Tank
FRALO Plastech

Dear Mr. Delawyer:

This letter is in reply to your request to approve the use of FRALO Plastech's ST-1000 E polyethylene septic tank in the State of New York. The New York State Department of Health (NYSDOH) does not "approve" proprietary products but does review products to determine conformance with standards set forth in 10 NYCRR Appendix 75-A, "Wastewater Treatment Standards - Individual Household Systems". These standards apply to residential wastewater treatment systems with design flow rates of less than 1,000 gallons per day (systems for which NYSDOH has regulatory oversight) and apply to new construction only.

The following evaluation is based upon the information provided by you via letter dated March 21, 2005, by e-mail dated May 16, 2005, by e-mail dated May 18, 2005, by fax dated May 27, 2005 and per recent telephone conversations. The evaluation has been done with reference to 10 NYCRR Appendix 75-A Section 75-A.6, "Septic Tanks", which establishes minimum standards for septic tank construction and installation. Reference has also been made to explanatory notes in NYSDOH's Individual Residential Wastewater Treatment Systems Design Handbook, 1996. The Fralo Plastech SEPTECH™ model ST-1000 E meets NYSDOH's septic tank standards and may be used in accordance with Appendix 75-A.6.

Depending upon geographic location and jurisdiction, the use of proprietary products for OWTS may also be subject to the conditions and requirements of the NYSDEC, the Adirondack Park Agency, watershed protection rules and regulations, local health departments, and/or the local code enforcement officer. Local standards may be more stringent than those included in Appendix 75-A.

This is in no way intended to be, nor should it be construed as, an endorsement for your product. Your product was afforded a compliance determination review in accordance with NYSDOH's policy for new product reviews, using 10 NYCRR Appendix 75-A as the applicable regulation.

If you have any questions please call me at (518) 402-7650.

Sincerely,



Kevin Kenyon
Junior Engineer
Bureau of Water Supply Protection

cc: Mr. Pierson